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Variation of Flowering Season of Chrysanthemum according to daily exposure to Light. Yearb. Agric. U.S. Dept. Agric. 1928. pp.194-5.	
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The Victorian Wheat Harvest - Climatic controls and world price. Wheat Grain Rev. 6th August, 1927.	
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The Effect of Temperature on the Keeping Quality and Bacterial Content of Milk. Rep. Agric. Met. Conf. Lond. 1927. pp.31-9.	
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Sunlight, The Plant and Crop Efficiency.
Yearb. Essex Co. Fmrs. Un. 1927. pp.283-9.

Agricultural Meteorology in its Plant Physiological Relationships.
Rep. Conf. Exp. Met. 1929 (Agric. Sect.) 2. pp.21-33.
Minist. Agric. Lond.

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The dependence of Insects upon Temperature. I. The critical Temperature of some Insects. (Trans. title).
Z. vergl. Physiol. 8. 1928.

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The effect of Temperature on the development of Peach Rots. Yearb. Agric. U.S. Dept. Agric. 1928. p. 485.

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No. of Summary or Extract.

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Caldwell F.C. and E.L. Caldwell.

Preliminary Report on Observations on the Development of Ova of Pig and Human Ascaris under natural conditions and studies of factors (Temperature and Humidity) influencing development. J.Parasit. 14. 4. pp.254-60. 501

Caldwell, J.S.

Chemical Composition of Apple Juices as affected by Climatic Conditions. J. Agric. Res. 36. (1928) No.4. pp. 289-365. 273

Mean Summer or "Optimum" Temperatures in relation to Chemical Composition in the Apple. J. Agric. Res. 36. (1928) pp.367-89. pp.367-89 276

Caldwell, J.S. and C. W. Culpepper.

The Relation of Atmospheric Humidity to the Deterioration of Evaporated Apples in Storage. J. Agric. Res. 35. (1927) No. 10. pp. 889-906. 237

Camp, A.F. and M.N. Walker.

The Relation of Soil Temperature to the Germination and Growth of Cotton. Bull. Florida Agric.Expt.Sta. No.189 (1927)p.17-32. Abst. in Expt.Sta.Rec.Wash. 58. No.3.p.325.

No. of Summary or Extract.

Canney, E.E.

Cotton-Growing policy; the Influence of Climate on staple quality.
J. Text. Inst. Machr.

Rain-grown Cotton and Climate.
J. Text. Inst. Manchr. 15. (1924). pp.533-42.
Abst. in Bot. Abst. 14. (1925). No.8.
p.1041.

Carpetchenko, H.D., H.I.Nesterov and A.V.Doroshenko.

Influence of the Length of Day on the tuber set in Potatoes and several other Plants. (Trans. title). 631
Bull. Appl. Bot. Gen. Pl. Breed. 23. No.2.
pp. 59-60. English summary.

Carrick, D.B.

The Effect of Freezing on the Respiration of the Apple. 39
Mem. Cornell Agric. Expt. Sta. No.110.
(1928).
Abst. in Expt. Sta. Rec. Wash. 59. No.3.
p. 215.

The Effect of Freezing on the Catalase Activity of Apple Fruits. 644
Mem. Cornell Agric. Expt. Sta. No. 122.
(1929).
Abst. in Expt. Sta. Rec. Wash. 61. No.5.
p.426.

Carter, H.G.

Wind as motive power for Electrical Generators. 135
Mon. Weath. Rev. Wash. 54. (1926) Np.
No. 9. pp.374-6.

A comparison of Air and Soil Temperatures at Lincoln, Nebraska.
Mon. Weath. Rev. Wash. 56. (1928) No.4.
pp. 138-9.

Carter, W.

The Effect of Low Temperatures on the Common Bean Weevil. 105
J. Agric. Res. 31. (1925) No. 2. pp.165-82.

Carton, P.

The Agricultural Meteorological Organisation of Indo-China (Trans. title).
C.R.acad. Agric. Fr. 14. (1928) No.30.
pp. 1003-5.

Cassela, D.

Influence of Climate upon the fruiting of the Olive. (Trans. title). 162
Ann. R. Scu. Agr. Portici. 2 ser. 20.
(1924) Art. 2.
Abst. in Expt. Sta. Rec. Wash. 55. No.7.
pp. 646-7.

No. of Summary or Extract.

Cazaubon E. and J. de Vilmorin.

Meteorological Factors and the formation of Sugar in Sugar Beets (Trans. title). 148
Bull. Ass. Chim. Sucr. 43. (1925). No. 5. pp. 159-66.
Abst. in Expt. Sta. Rec. Wash. 55. No.5. p.415.

Chamney, N.P.

The Climatology of the Gold Coast. 421
Bull. Dept. Agric. Gold Coast. No.15. (1928).

Chapman, R.N.

Temperature as an Ecological Factor in Animals.
Amer. Nat. 62. (1928) No. 681. pp.298-310.

Chaptal, L.

Agricultural Meteorology and the Forecasting of Crops. (Trans. title). 160
C.R.Ass. franç. Av. Sci. 48. (1924) p.1032-8.
Abst. in Expt. Sta. Rec. Wash. 55. No.9. p. 806.

Agricultural Climatology and the Forecast of Harvests. (Trans title). 307
Ann. Ec. Agric. Montpellier. 19. (1927) 1. pp. 37-48.
Abst. in Biol. Abst. 2. (1928) No. 3-5 p.614.

Influence of some casual climatic conditions on the yield of the vineyard.. (Trans.title)
Mét. Paris. 3. (1927). pp. 449-51.

Influence of Climatic Conditions on the swelling of Grapes. (Trans. title). 318
C.R.Acad. Agric. Fr. 5th Dec. 1928. pp. 1202-7.

Contribution to the study of Dew and of Secondary Sources of Soil Moisture. (Trans. title). 281
Ann.Sci. Agron. 45. (1928). No.2. pp. 134-54.

Dew and aqueous deposits of the Atmosphere. (Trans. title). 524
Ann. Sci. Agron. 27. (1930) No. 1.

On the Relations between some Climatic Factors and the Growth of the Vine (Trans. title). 651
C.R.Acad. Agric. Fr. 16. (1930) No.14. pp. 509-13.

The rôle of atmospheric Humidity in the swelling of Grapes (Trans. title).
Ann.Sci. Agron. 1930. No. 2. pp. 236-45.

No. of Summary or Extract.

Chartres, - and C. V. Garola.

Notes on Capillary Rise in Soils. 70
Ann.Sci. Agron. 1. 1925. pp.1-32.
Abst. in Int. Rev. Sci. Prac. Agric.
8. (1925).

Chilcott, E.C.

The Relations between Crop Yields and Precipitation in the Great Plains area. 203
Misc. Circ. U.S. Dept. Agric. 81. (1927).
Abst. in Expt. Sta. Rec. Wash. 56. No.8. p. 370.

Chiritescu-Arva, M.

Influence of optimal Soil Water Content on the plant during different phases of development. (Trans. title). 517
Fortschr. Landw. 2, 15. pp. 489-93.
Abst. in Biol. Abst. 3. (1929) No. 9-11. p. 1980.

The Influence of the Moisture Content of the Soil on the Texture and Weight of Wheat Grains. 313
Sci.Agric. 9. (1928). No.3. pp.173-80.

The Influence of Dry Periods on the Spring Wheat variety "Ulca" in various growth stages. (Trans. title). 331
Landw. Jahrb. 68. (1928). 3. pp.407-22.

Christensen, J.J.

The Relation of Soil Temperature and Soil Moisture to the Development of Head Smut of Sorghum. 114
Phytopathology 16. (1926). No. 5. pp.353-7.
Abst. in Rev. Appl. Mycol. 5. (1926). Pt. 10. p.606.

The Influence of Temperature on the frequency of mutation in Helminthosporium sativum.
Phytopathology 19. p. 155.

Christensen, J.J. and F.R.Immer.

Influence of Environmental Factors on the seasonal prevalence of Corn (Maize) Smut. 336
Phytopathology. 18. (1928) No.7. pp.589-598.

Christie, W. and Bran H.H.

The Effect of different Climatic Conditions on pure lines of Oats and Barley. (Trans. title). 198
Hereditas. 8. (1926) No.1-2. pp.207-28.
Abst. in Expt. Sta. Rec. Wash. 56. No.8. p.730.

No. of Summary or Extract.

Close, J.L. and E.S. Ellison.

Critical Spring Temperatures for Apples in the Yakima Valley, Washington. 164 ~~163.~~
Mon. Weath. Rev. Wash. 55. (1927). No.1. pp.11-8.

Cobb, J.S., H.B. Josephson and C.O. Cromer.

Effect of Weather conditions on the Moisture Content of standing grain. 448.
Agric. Eng. Ames, Ia. 10. (1929) No.2. p.54.
Abst. in Expt. Sta. Rec. Wash. 60. No.9. p.881.

Coblentz, W.W. and H.R. Fulton.

The Fungicidal Action of Ultra-Violet Radiation. 428.
J. Agric. Res. 38. (1929) No.3.pp.159-68.

Colla, S.

Action of Ultra-Violet Rays on etiolated Plants (Trans. title). 634.
Bull. Soc. Ital. Biol. sperim. 2. No.7. pp.724-6.
Abst. in Biol. Abst. 4. (1930) No.2. p.354.

Collins, D.L. and M.W. Nixon.

Responses to Light of the Bud Moth and Leaf Roller. 635.
Bull. N.Y. Agric. Expt. Sta. No.583.
Abst. in Rev. Appl. Ent. 18a. (1930) Pt.9. p.469.

Colwell, Gladstone and Wakeley.

The Action of X-Rays on the Developing Chick Embryo. 75.
J. Anat. Lond. 60. (1926). pp.207-28.
Abst. in Nature. Lond. 117. 27th Feb. 1926. p.320.

Conrad, J.P. and F.J. Veihmeyer.

Root Development and Soil Moisture. 494.
Hilgardia. 4. (1929). No.4.

Cook, A.W.

The Protection of Strawberries from Frost through Artificial Heating.
Mon. Weath. Rev. Wash. 55. (1927). No.8. pp.354-7.

No. of Summary or Extract.

Cook, W.C.

The Effect of Climate on Noctuid Moths in Montana.
Canad. Ent. 56. (1924) No.10. pp.229-34.
Abst. in Rev. Appl. Ent. 13a. (1925) Pt.1. p.23.

Some Effects of Alternating Temperatures on the Growth and Metabolism of Cutworm Larvae. 222.
J. Econ. Ent. 20. (1927) No.6. pp.769-82.

Weather and Probability of outbreaks of the Pale Western Cutworm in Montana and near by States. 272.
Mon. Weath. Rev. Wash. 56. (1928) No.3. pp.103-6.

A Bioclimatic Zonation for studying the Distribution of Injurious Insects. 471.
Ecology. 10. (1929) No.3. pp.282-93.

Cooley, J.S. and C. Brooks.

Time-Temperature relations in different types of Peach-rot Infection. 328.
J. Agric. Res. 37. (1928) No.9. pp.507-43.

Corbett, G.H. and C. Dover.

Influence of Climate Conditions on the prevalence of economic insects in Malaya. 413.
Malayan Agric. J. 16. (1928) No.1.pp.1-7.

Corbett, W.

The Blooming and Fruiting Period of the Tomato Plant.
Rep. Exp. Res. Sta. Cheshunt. 1927. pp.87-94.

Corbett, W. and W.F. Bewley.

Air Temperature and Soil Temperature requirements of the Tomato under Glasshouse conditions. 498.
Rep. Exp. Res. Sta. Cheshunt. 1928.pp.115-21.

Corless, R.

Meteorology and Agriculture.
Met. Mag. 62. 1927. pp.212-4.

Cotton, R.T.

The Effect of Light upon the development of the Dark Meal Worm, Tenebrio obscurus Fab. 636.
Proc. Ent. Soc. Wash. 32. No.4. pp.58-60.
Abst. in Rev. Appl. Ent. 18a. (1930). Pt.9. p.471.

No. of Summary or Extract.

Cotton, R.T. and E.A.Back.

Relative Resistance of the Rice Weevil (Sitophilus oryza L.) and Granary Weevil (S. granarius L.) to High and Low Temperatures. 1.
J.Agric. Res. 28. (1924). No.10.pp.1043-4.

Coward, K.H.

The Influence of Light and Heat on the formation of Vitamin A. in Plant Tissues. 217.
J. Biol. Chem. 72. (1927).No.2.pp.781-99.
Abst. in Expt. Sta. Rec. Wash. 57. No.3.p.294.

Craib, I.J.

Some Aspects of Soil Moisture in the Forest. 615.
Yale For. Sch. Bull. No.25. (1929).
Abst. in Expt. Sta. Rec. Wash. 62.No.6.p.530.

Craighead, F.C.

Bark-Beetle Epidemics and Rainfall Deficiency. 29.
J. Econ. Ent. 18. (1925). No.4. pp.577-86.
Abst. in Rec. Appl. Ent. 13a. (1925) Pt.10.p.510.

Cranfield, H.T.

Effect of abnormal Weather Conditions on the quality of milk. 551.
J Minist. Agric. 37. No.4. pp.347-50.

Crebert, H.

Relation between Weather, Growth and Yield of the Horse Bean (Vicia faba minor) (Trans. title)
Landw. Jahrb. 68. No.4. pp.537-58.

Crescini, F. and D. Tettamanzi.

The resistance of Grain to Low Temperatures (Trans. title):
Ital. Agric. 66. (1929) pp.546-52.

Cromer, C.O., J.S.Cobb and H.B.Josephson.

Effect of Weather Conditions on the Moisture Content of Standing grain. 448.
Agric. Eng. Ames, Ia. 10. (1929) No.2.p.54.
Abst. in Expt. Sta. Rec. Wash. 60. No.9. p.881.

No. of Summary or Extract.

Crowther, E.M.

The Influence of Rainfall on the Yield of Cotton at the Gezira Research Farm.
Rep. of Meeting in Sudan Gezira, Dec.1925. pp.18-28. Khartoum, 1926.
Abst. in Rep. Rothamst. Exp. Sta. 1925-6. pp.67-9.

Crowther, E.M., B.A. Keen and A.N. Puri.

The Relation between Vapour Pressure and Water Content of Soils.
J. Agric. Sci. 15. (1925) Pt.1. p.68.

Culpepper, C.W. and J.S. Caldwell.

The Relation of Atmospheric Humidity to the Deterioration of Evaporated Apples in Storage. 237.
J. Agric. Res. 35. (1927). No.10. pp.889-906.

Culpepper, C.W. and C.A. Magoon.

The Relation of Seasonal Factors to Quality in Sweet Corn (Maize). 149.
J. Agric. Res. 33. (1926) No.11.pp.1043-72.

Curson, H.H.

Meteorological Conditions and the Seasonal Prevalence of Trypanosomiasis of Cattle in Zululand. 286.
S. Afr. J. Sci. 24. (1927) pp.377-81.
Abst. in Rev. Appl. Ent. 16b. (1928) Pt.6. p.104.

Cutler D.W. and A. Dixon.

The Effect of Soil Storage and Water Content on the Protozoan Population. 178.
Ann. Appl. Biol. 14. (1927). No.2.pp.247-54.

Daingerfield, L.H.

Weather and Cotton Yield in Texas, 1899-1929, inclusive. 536.
Mon. Weath. Rev. Wash. 57. (1929) No.11. pp.451-3.

Dana, B.F. and J.J. Taubenhaus.

The Influence of Temperature and Soil Moisture on Cotton Root Rot. 401.
Bull. Tex. Agric. Expt. Sta. No.386. 1928.

Darrow, G.M. and G.F. Waldo.

The practical significance of increasing the daily Light period of winter for Strawberry breeding. 568.
Science. 69. (1929) No.1793. pp.496-7.
Abst. in Expt. Sta. Rec. Wash. 61.No.6.p.528.

No. of Summary or Extract.

Davies, E.L. and N.K. Johnson.

Some measurements of Temperatures near the surface in various kinds of Soils. Quart. J.R. Met. Soc. 53. (1927) No.221. pp.45-58.

Davies, W.M.

The Effect of Variation in Relative Humidity on Certain Species of Collembola. Brit. J. Exp. Biol. 6. (1928) No.1. pp.79-86. 467.

Davis, A.R. and D.R. Hoagland.

An apparatus for the Growth of Plants in a controlled Environment. Pl. Physiol. 3. (1928) No.3. pp.277-92. Abst. in Expt. Sta. Rec. Wash. 62. No.7. p.615. 639.

Davis, R.J. and H.H. McKinney.

Influence of Soil Temperature and Soil Moisture on Infection of Young Wheat plants by Ophiobolus Graminis. J. Agric. Res. 31. (1925) No.9. pp.827-40. 69.

Davy de Virville, A.

Action of the Environment on Mosses (Trans. title). Rev. Gen. Bot. 40. No.471. pp.156-66. Abst. in Biol. Abst. 3. (1929) No.496. p.435. 481.

Davy de Virville, A. and F. Obaton.

Biological study of the Blooming of Flowers (Trans. title) Rev. gen. Bot. 36. (1924) No.422. pp.49-67. Abst. in Expt. Sta. Rec. Wash. 56. (1927) No.4. p.326. 197.

Deats, M.E.

The Effect on plants of the increase and decrease of the period of Illumination over that of the normal day period. Amer. J. Bot. 12. (1925) No.7. pp.384-92. Abst. in Expt. Sta. Rec. Wash. 55. No.8. p.727. 174.

de Gryse, J.J.

The Relations of Entomology to Meteorology. Rep. Conf. Emp. Met. 1929 (Agric. Sect). 2. pp. 148-57. Minist. Agric. Lond.

Delf, E.M.

Effect of Ultra-Violet Light on Plants. Brit. J. Actinother. (1927) 2. p.106. Abst. in Lancet. Lond. 8th Oct. 1927. p.794. 220.

The Influence of Ultra-Violet Light on Plants. (A review of the literature). Biol. Rev. 3. No.3. pp.261-9.

No. of Summary or Extract.

Delf, E.M., K. Ritson and A.Westbrook.

The Effect on Plants of radiations from a quartz mercury vapour lamp. 528
Brit. J.Exp.Biol. 5. 2. pp.138-54.
Abst. in Biol.Abst. 3. (1929) No.9-11. p.1669.

De Long, D.M. and A.A.Mathewson.

The Influence of Temperature and Humidity upon the Development of the Houghton Gooseberry Aphis.
J.Econ.Ent. 18. (1925) No.1. pp.172-6.

Demoussy, E.

The Resistance of the Micro-organisms of the Soil to the Low Temperatures of the Winter of 1928-29 (Trans. title). 650
Ann.Sci.Agron. 46. (1929). No.4. pp.395-9.

de Vilmorin, J. and E. Cazaubon.

Meteorological Factors and the formation of Sugar in Sugar Beets. (Trans. title). 148
Bull.Ass.Chim.Sucr. 43. (1925) No.5. pp.159-66.
Abst.in Expt.Sta.Rec. Wash. 55. No.5. p.415.

Dickson, J.G.

Making Weather to order for the study of cereal diseases. 108
Bull.Wisc.Agric.Expt.Sta. No.379. 1926.
Abst.in Rev.Appl.Mycol. 5. (1926) Pt.9. p.545.

Dickson, J.G. and J.R.Holbert.

The Influence of Temperature upon the Metabolism and Expression of Disease Resistance in Selfed Lines of Corn (Maize).
J.Amer.Soc.Agron. 18. (1926) No.4. pp.314-22.

The Relation of Temperature to the Development of Disease in Plants. 302
Amer.Nat. 62. (1928) No.681. pp.311-33.

Dickson, J.G., L.R.Jones and J.Johnson.

Studies upon the Relation of Soil Temperature to Plant Disease. 195
Bull.Wisc.Agric.Expt.Sta. No.71. (1926).

Dickson, J.G., et als.

The Influence of Environment during maturation upon predisposition to Seedling Blight in Wheat and Corn (Maize) strains. 496
Abst. in Phytopathology. 19. (1929) No.1. p.79.

Diehl, H.C. and R.C.Wright.

Freezing Injury to Potatoes. ~~178~~
U.S.Dept.Agric.Tech.Bull. No.27. (1927).

No. of Summary or Extract.

Dixon, A. and D.W.Cutler.

The Effect of Soil Storage and Water Content on the Protozoan Population. 178
Ann.Appl.Biol. 14.(1927) No.2. May. pp.247-54.

Domontovitsch, M.L. and A.J.Groschenkow.

Experiments on the Effect of Light on the root nutrition of Plants (Trans. title). 544
J.Landw.Wiss. 1.(1929) 6. p.179; 2.6. p.767.
Abst.in Z.Pflarnähr Düng.u.Boden. 4. (1929) Pt.4-5. pp.194-205; 15.(1930) Pt.5-6. p.366 and in Ann.Sci.Agron. (1929) No.6.

Doran, W.L.

Effect of Soil Temperature and Reaction on Growth of Tobacco infected and uninfected with Black Root Rot. 516
J.Agric.Res. 39. (1929) No.11. pp.853-72.

Doroshenko, A.V.

Photoperiodism of some cultivated Plants in Relation to their origin (Trans.title). 628
Bull.Appl.Bot.Gen.Pl.Breed.17. No.1. pp.167-220.
English summary.
Abst. in Biol.Abst. 34. (1930). No.2. p.354.

Doroshenko, A.V., N.D.Carpetchenko and N.I.Nesterov.

Influence of the Length of Day on the tuber set in Potatoes and several other Plants.(Trans.title) 631
Bull.Appl.Bot.Gen.Pl.Breed. 23. No.2. pp.59-60.
English summary.

Doroshenki, A.V. and V.I.Rasumov.

Photoperiodism of some cultivated forms in relation to their geographical origin. (Trans. title) 629
Bull.Appl.Bot.Gen.Pl.Breed. 22. pp.219-76.
English summary.

Dotti, F., L.Cirio and M.Marani.

Observations of Frost Damage in the Province of Ravenna. (Trans. title).
Ital.Agric. 66. (1929) pp. 144-56.

Douglass, A.E.

The Use of the Annual Rings of Trees in Climatic Study.
Rep.Smithson.Instn. 1911. pp.223-39.

Climatic cycles and Tree Growth. 2. A Study of the Annual rings of trees in relation to climate and solar activity.
Pub. Carnegie Instn. No.289. pp.1-166.
Abst.in Biol.Abst. 3 (1929) No.7-8. pp.1439-40.

Douglass, J.R.

Precipitation as a Factor in the Emergence of the Mexican Bean Beetle from Hibernation. 243
J.Econ.Ent. 21. (1928) No.1. pp.203-13.

No. of Summary or Extract.

Eide, I.

Summer Temperature and Diameter Growth of Picea excelsa. (Trans. title). 506
Medd.norske Skogsforsoksv. 2. 7. pp.87-104. (German summary).
Abst. in Biol.Abst. 43. (1929) No.7-8. p.1440.

Eidinow, A. and I.A.Galloway.

Effect of Ultra-violet Light on the viability of the virus of Foot and Mouth Disease. 574
Brit.J.Exp.Path. 9. (1928) No.6. pp.326-9.
Abst.in Expt.Sta.Rec. Wash. 61. No.6. p.568.

Eidmann, H.

Influence of Temperature on the number of eggs in Lepidoptera.
Int.Cong.Ent. 4. (1928) 2.

Ellett, W.B. and H.H.Hill.

The leaching of Plant Food (in Rainfall) through the soil. 591
Rep.Virginia Agric.Expt. Sta. 1920-7 pp.26-8.
Abst. in Expt.Sta.Rec. Wash. 61. No.8. p.713.

Ellison, E.S. and W.L.Close.

Critical Spring Temperatures for Apples in the Yakima Valley, Washington. 164 ~~163~~
Mon.Weath.Rev. Wash. 55. (1927) No.1.pp.11-8.

Eltinge, L.T.

The Effect of Ultra-violet Radiation upon Higher Plants. 633
Ann.Missouri Bot.Gdn. 15. No.2. pp.169-240.
Abst. in Biol.Abst. 4. (1930). No.2. p.354.

Elton, C.S.

The Relation of Animal Numbers to Climate.
Rep.Conf.Emp.Met. 1929. (Agric.Sect.). 2. pp.121-9. Minist. Agric. Lond.

Emmett, A.M.

Changes in the Chemical Composition of Pears stored at different Temperatures.
Ann.Bot.Oxford. 43. No.170. pp.269-308.

Engledow, F.L.

Essentials of Theory and Points of Practice in Crop Weather Work.
Rep.Agric.Met.Conf. Lond. 1926. pp.15-16.

Eredia, F.

A Forecast of the Annual Almond Crop based on the Air Temperature and Precipitation of the Three Months January to March.
Rend.Acc.Lincei. 1925.
Abst. in Met.prat. Montecassino. (1925) pp.193-6.

No, of
Summary or
Extract.

Evert, A.F. and A.D. Lebedev.

Geographical Distribution of the Flax Growing districts in U.S.S.R., according to quality of fibre, with reference to Temperature and Rainfall during the growing period (Trans. title) 474.
Bull. Apel. Bot. Gen. and Plant Breed. 18. No.1. pp.371-96. (English Summary).
Abst. in Biol. Abst. 3. (1929) No.4-6. p.852.

Evvard, J.M.

Sunshine and Winter Pig Feeding. 305.
Iowa Agric. Expt. Sta. Leaf. No.17. (1926) pp.13-4.

Faes, H.

Influence of Climatic Conditions on the development of Insect and Fungus Pests of Crops in Switzerland (Trans. title). 320.
Annu. agric. Suisse. 29. (1928) 2. pp.221-8.
Abst. in Rev. Appl. Ent. 16a. (1928) Pt.II. p.580.

Fagan, T.W.

The Effect of Weather at Harvest Time on the Chemical Composition of Hay.
Rep. Agric. Met. Conf. Lond. 1928. pp.1-10.

Falkenheim, C., W. Voeltz and A. Kirsch.

The Influence of Sunlight or Artificial Ultra-Violet Ray Treatment of Cows on the Secretion of Anti-rachitic Milk. 230.
Landw. Jahrb. 65. (1927) 3.

Fawcett, H.S.

(Soil) Temperature experiments in germinating orange seeds. 585.
Calif. Citrograph. 14. (1929) No.12. p.515.
Abst. in Expt. Sta. Rec. Wash. 62. No.3. p.231.

Fawcett, H.S. and W.R. Barger.

Relation of Temperature to Citrus Fruit Decay. (Soft rot). 232.
J. Agric. Res. 35. (1927) No.10. pp.925-31.

Fawcett, H.S. and F.F.Halma.

Relation of Growth of Helminthosporium Sacchari to Temperature. 20
Phytopathology. 15. (1925) No.8. pp.463-9.

Fawcett, H.S. and G. Savastano.

A study of Decay in Citrus Fruits produced by Inoculations with known Mixtures of Fungi at Different Constant Temperatures. 583
J.Agric.Rec. 39. (1929) No.3. pp.163-98.
Abst. in Expt.Sta.Rec.Wash. 61. No.8. p.747.

Fedorov, E.E.

Climate as a weather combination (Trans.title) 454.
J. Landw.Wiss. 4. (1927) No.3. pp. 171-190.
English abst. pp. 188-9
Abst. in Expt. Sta. Rec. Wash. 60. No. 7. p.616.

Correlation of Plant Growth with Weather 594.
Types (Trans. title).
J. Landw.Wiss. 4. (1927) No.7-8 pp. 429-37.
English abst. pp. 437-8.
Abst. in Expt. Sta. Rec. Wash. 62 No.2. pp.114.

Fenton, F.C.

The wind-driven electric light plant. 188.
Off. Pub. Iowa. Coll. Agric. 24. (1926) No.32
p. 6-9.

Forraz. J. do Sampaio.

Causes of Drought in North-Eastern Brazil.
Bol. Minist. Agric. Rio de J. (1925).
Abst. in Int. Rev. Sci. Prac. Agric. 4. n.s. (1926)
No.4. pp. 916-7.

Coffee and Meteorological Factors (Trans. title)
Direct. de met. Rio de J. (1928).

Filipur, I.N.

Phenology and Injurious Insects. (In Russian).
Ann. State Inst. Expt. Agron. 5. (1927) 6 pp. 441-56.

Finnell, H.H.

Effect of Wind on Plant Growth. 326.
J. Amer. Soc. Agron. 20. (1928) No.11. pp.1206-10

Terracing for (Soil) Moisture conservation. 561.
Bull. Panhandle Agric. Expt. Sta. 7. (1929) pp.13-6
Abst. in Expt. Sta. Rec. Wash. 61. No.1 p. 77.

Windbreaks.
Bull. Panhandle Agric. Expt. Sta. 7. (1929) pp.13-4 564.
Abst. Expt. Sta. Rec. Wash. 61. No. 6. p. 532.

The Drought of 1926-27 in relation to Soil 588.
moisture and Crop Yields at Goodwell, Okla.
Bull. Panhandle Agric. Expt. Sta. No. 8. (1929)
pp. 9-23.
Abst. in Expt. Sta. Rec. Wash. 61 No.9. p. 825.

The utilization of moisture on heavy soils of 617.
the Southern Great Plains.
Bull. Okla. Agric. Expt. Sta. No. 190.
Abst. in Expt. Sta. Rec. Wash. 62. No.5. p.412.

Initial Soil Moisture and Crop Yield. 587.
Bull. Okla. Agric. Expt. Sta. No. 192. (1929).
Abst. in Expt. Sta. Rec. Wash. 62. No.3. p. 217.

Fisher, D.F. and C. Brooks.

Some High Temperature Effects in Apples. 87.
J. Agric. Res. 32. (1926) No. 1. pp. 1-16.

Fisher, R.A.

The Influence of Rainfall on the Yield of Wheat at Rothamsted. 4.
Philos. Trans. Ser. B. 213. pp.89-142.

Fitch, J.B. et al.

Destruction of Vitamin A in Milk by Ultra-Violet Light. 190.
Indust. and Engng. Chem. 18. (1926) No.8. p.843.
Abst. in Expt. Sta. Rec. Wash. 56. (1927) No.1. pp.88-9.

Fleischmann, R.

Rainfall and Maize Production (Trans. title).
Idöjaras, 32. (1928) 4. pp.102-5. German Summary pp.125-6.

Foister, C.E.

The Relation of Weather to Plant Diseases.
Rep. Conf. Emp. Met. 1929. (Agric. Sect.). 2. pp.168-219.
Minist. Agric. Lond.

Forbes, E.B., W.W. Braman and M. Kries.

The Influence of the Environmental Temperature on the Heat Production of Cattle. 122.
J. Agric. Res. 33. (1926) No.6. pp.579-89.

Foss, H.

Temperature as a Growth Factor (Trans. Title). 595.
Nord. Jordbr. Forskn. 7. (1925) 17.
Abst. in Z. Pflernähr. Dung. u. Boden. 7. (1928) Pt.8.

Fox, F.E., A.G. Lunn and G.W. Kable.

Electric Lights for increasing Egg production. 408.
Bull. Oregon Agric. Expt. Sta. No.231. (1928)
Abst. in Expt. Sta. Rec. Wash. 59. No.7.p.665.

Fraymouth, J.

The Respiration of certain Lower Plants, with special reference to the Influence of Drought.
Ann. Bot. Oxford. 42. (1928) No.165.pp.75-100.

Frean, J.

Variations in the Sugar Content and in the Rate of Growth of Sugar Beet in consequence of Rain (Trans. title).
Z. Zuckerind. Böhm. 44. No.39-40. pp.299-312.
Abst. in Int. Rev. Sci. Prac. Agric. 4. n.s. (1926) No.4. p.965.

Fred, E.B. et al.

Relation of Temperature to Rate and Type of Fermentation and to Quality of Commercial Sauerkraut.
J. Agric. Res. 35. (1927). No.11. pp.1021-38.

No. of Summary or Extract.

Frederick, W.J. and G.L. Peltier.

Relation of Environmental Factors to Citrus Scab. 12.
J. Agric. Res. 28. (1924) No.3. pp.241-54.
Abst. in Expt. Sta. Rec. Wash. 52. No.1. p.54.

Effects of Weather on the World Distribution 89.
and Prevalence of Citrus Canker and Citrus Scab.
J. Agric. Res. 32. (1926) No.2. pp.147-64.

Freeman, J.F. and E.M. Johnson.

Sulphur and Nitrogen in Rainfall in Kentucky.
J. Amer. Soc. Agron. 16. (1924) No.6. pp.353-8.
Abst. in Int. Rev. Sci. Prac. Agric. 3. n.s.
(1925) No.1. p.169.

Frei, L.

Influence of Soil Moisture on the Transpiration
Capacity of Plants (Trans. title).
Bull. Soc. Natur. Leningrad. 53. 3. pp.179-210.
Abst. in Bot. Abst. 15 (1926) No.1 p.164.

Friedrich, E.

Climate and Production (Trans. title).
Petermann's Mitt. 70. (1924) 5-6, pp.112-6.
7-8, pp.159-63.

Friedrichs, K. and P. Steiner.

Light and Insect Development (Trans. title).
Zbl. Bakt. 2. 80. pp.71-7.
Abst. in Z. angew. Ent. 16. 2. p.415.

Fronda, F.M. and J.A. Belo.

Effects of Sunlight on the hatching quality of 407.
Eggs.
Philipp. Agric. 16. (1928) No.8. pp.477-93.
Abst. in Expt. Sta. Rec. Wash. 59. No.7.pp.665-6.

Fryer, J.C.F.

Insect pests of Crops in England and Wales. 44.
1922-24.

Fulton, B.B.

Some Temperature relations of Melanotus. 322.
J. Econ. Ent. 21. (1928) No.6. pp.889-97.

Fulton, H.R. and W.W. Coblentz.

The Fungicidal action of Ultra-violet Radiation. 428.
J. Agric. Res. 38. No.3. pp.159-68.

Gaardmand, P.N.

Relation between Weather and the Development of
Crops (Trans. title).
Ugeskr. Landm. 74. No.13. p.196.

Summary or Extract.

Galloway, I.A. and A. Eidinow.

Effect of Ultra-violet Light on the viability of the Virus of Foot and Mouth Disease. 574
Brit. J. Exp. Path. 9 (1928) No.6. pp.326-9.
Abst. in Expt. Sta. Rec. Wash. 61. No.6. p. 568.

Garman, P.

Weather Conditions accompanying the Aphid outbreak in Connecticut in 1927. ~~72~~
Bull. Conn. Agric. Sta. No.294.(1928) pp.271-6.

Garner., W.W. and H.A. Allard.

Localization of the Response in Plants to Relative Length of Day and Night. ~~478~~ 72
J. Agric. Res. 31.(1925) No.6. pp.555-66

Effect of Short alternating periods of Light and Darkness on Plant Growth. 478
Science. 66. 1927. No. 1697. pp.40-2.
Abst. in Biol. Abst. 3. (1929) No.4-6 p.484.

Garnier, A. and M. Laplaud.

The Development of Agricultural Meteorology Terra di Lavoro (Trans. title). 7
Met. prat. Montecassino, 8. (1927) pp.262-4

Effect of Meteorological Conditions on Egg Laying.(Trans. title).
Rev. Zootech. Paris. Rev. des Eleveurs. 1924. No.8. pp. 95-100.
Abst. in Int. Rev. Sci. Prac. Agric. 2. (1924) No.4. p. 972.

Garola C.V. and Chartres.

Notes on Capillary Rise in Soils. 70
Ann. Sci. Agron. 1. 1925. pp. 1-32.
Abst. in Int. Rev. Sci. Prac. Agric. 3. (1925) No.3. p.732.

Gassner, G.

The Influence of Climate on the Conditions of Cereals at Harvest (Trans. title). 91
Mitt. Ducts. Landw. Ges. 50. 1925. pp.950.4
Abst. in Bot. Abst. 15. (1926). No.4-5. pp.483-4.

Gast, P.R. and F.W. Stickel.

Solar Radiation and Relative Humidity in relation to duff moisture and Forest Fire Hazard.
Mon. Weath. Rev. Wash. 57. (1929) No.11. pp.466-8

Gasthuys, P.

The Climate of diverse agricultural areas of the Belgian Congo.
Bull. agric. Congo belge. 15. (1924) No.2. pp. 376-85

No. of Summary or Extract.

Geiger, R.

The Climate of the Air Layers near the Ground (Trans. title). 298.
F. Vieweg. u.s. Braunschweig, 1927.

Microclimatology (Trans. title).
Z. angew. Met. 45. (1928) pp.74-85.

Geissler, A.

Hopkins' Bioclimatic Law and the proof of its utility in Agriculture (Trans. title).
NachrBl. deuts. PflSchDienst. 7. (1927) No.4. pp.55-6. No.5. pp.43-4.

Gerlach, -

Rainfall and Manurial Losses in Wet and Dry Years (Trans. title).
Mitt. deuts. Landw. Ges. 18th Feb. 1928.pp.145-7.

Investigation into the amount and composition of percolation water (Trans. title).
Landw. Jahrb. 64. p.701.

Geslin, H.

The Effect of the Frosts of the Winter of 1928-29 on the Crops at the Agricultural Research Centre at Versailles (Trans. title)
Ann. Sci. Agron. 46. (1929) No.4. pp.475-81.

On a Relation existing between the three Climatic Factors - Rain, Temperature and Light and the Yield of Wheat at Rennes (Trans. title) 533.
C.R. Acad. Agric. Fr. 16. (1930). No.14.pp.513-20.

Gessner, A.

Has the Winter of 1928-29 had any appreciable influence on the development of Insects, especially those of vineyards? (Trans. title)
Weinb. u. Kellerw. 8.

Gilbert, B.E.

The Response of certain Photoperiodic Plants to differing Temperature and Humidity Conditions. 86.
Ann. Bot. Oxford. 40. (1926) No.158. pp.315-20.

Inter-relation of Relative Day Length and Temperature. 216.
Bot. Gaz. 81. (1926) No.1. pp.1-24.
Abst. in Expt. Sta. Rec. Wash. 57. No.1. p.23.

No. of Summary or Extract.

Ginestous, G.

The Humidity of the atmosphere in Southern Tunis and its effect on Vegetation (Trans. title).
Bull. Direct. Agric. Tunis, 1928.

Ginsburg, J.M.

The Effect of Moisture, Temperature and Light on the decomposition of Lead-Arsenate in Sulphur - Lime dry - mixed spray.
J. Econ. Ent. 19. (1926) No.6. pp.841-53.

Gisborne, H.T.

Meteorological Factors in the Quartz Creek Forest Fire. 179.
Mon. Weath. Rev. Wash. 55. (1927) No.2.pp.56-9.

Gladstone, Wakeley and Colwell.

The action of X-rays on the Developing Chick Embryo. 75.
J. Anat. Lond. 60. Jan. 1926. pp.207-28.
Abst. in Nature. Lond. 117. 27th Feb.1926.p.320.

Glasgow, H. and W.O. Gloyer.

Defoliation of Cherry Trees in relation to Winter Injury. 111.
Bull. N.Y. Agric. Expt. Sta. No.555. 1928.

Gloyer, W.O. and H. Glasgow.

Defoliation of Cherry Trees in relation to Winter Injury. 111.
Bull. N.Y. Agric. Expt. Sta. No.555. 1928.

Godfrey, G.H.

Effect of Soil Temperature and Soil Moisture on Root Knot Disease. 109.
J. Agric. Res. 33. No.3. 1st Aug. 1926.pp.223-54.
Abst. in Rev. Appl. Ent. 14A. (1926) Pt.10. pp.529-30.

Godfrey, G.H. and H.T. Morita.

Effects of some Environmental Factors on the Root-knot Nematode. 412.
Abst. in Phytopathology. 19. (1929) No.1.pp.83-4.

Goe, -

The resistance of Soft Fruit to Frost and Drought (Trans. title).
Obst. -u. Gem. 1929. p.9.

Gohler, H.

Is this winter a destroyer of Insect Pests? (Trans. title). 455.
Kranke Pflanze. 6. No.3. pp.38-40.
Abst. in Rev. Appl. Ent. 17A. (1929) Pt.7.p.402.

No. of Summary or Extract.

Goldsmith, G.W. and F.E. Clements.

The Phytometer Method in Ecology. 60.
Pub. Carnegie Inst. No.356.
Note in Nature. Lond. 116. 31st Oct. 1925. p.656. 117. 2nd Jan. 1926. pp.16-17.

Gooch, M.E. et al.

Rickets, Ultra-Violet Light and Milk. 146.
Science. 63. (1926) No.1621. pp.97-8.

Gösele, L.

Investigations into relations between weather and Yield of Crops in Agriculture (Trans.title) 549.
Landw. Jahrb. 68. No.2. pp.253-320.

Gould, L.

Notes on the Phenology of Middle Western spring flowers.
Univ. Okla. Bull. (Proc. Okla. Acad. Sci.) 8. 30. pp.59-62.

Gourdon, G.

The destruction of injurious insects by Ultra-Violet rays. (Trans. title). 473.
Prog. agric. vitic. 91. (1929) No.9.pp.204-7.
Abst. in Rev. Appl. Ent. 17A. (1929) Pt. 6. p.332.

Destruction of Insects by Ultra-Violet Rays. (Trans. title). 470.
Rev. Agricultours Fr. No.6. bis. Jun. 1929. pp.52-4.
Abst. in Rev. Appl. Ent. 17A. (1929) Pt.10. p.571.

Gowen, J.W., et al.

Rickets, Ultra-Violet Light and Milk. 146.
Science. 63. (1926) No.1621. pp.97-8.

Gracanin, M. and A. Nemec.

The Influence of Light on the assimilation of K_2O and P_2O_5 in Neubauer experiments (trans. title). 638.
Z. Pflanzens. 16a. p.102.
Abst. in Ann. Sci. Agron. 47. (1930) No.3.p.454.

Gray, W.S.

Agricultural Ecology. 82.
Agric. Prog. II. pp.24-26. 1925.
Abst. in Int. Rev. Sci. Prac. Agric. n.s. 3. (1925) No.4.

Gray, W.S. and A.A. Nassar.

The Temperature of cultivated soil at Giza. 444.
Bull. Tech. Sci. Serv. Cairo. No.79. 1928.
Abst. in Expt. Sta. Rec. Wash. 60. No.9. pp.802-3.

No. of Summary or Extract.

Greeno, H. and R.H.K. Peto.

Water Loss at Ad Medani. Part I. 484.
J. Agric. Sci. 19. (1929) Pt.4. pp.715-26.

Gregory, F.G.

The Effect of Climatic Conditions on the Growth of Barley. 77.
Ann. Bot. Oxford. 40. (1926) No.157. pp.1-26.

The Effect of Temperature on the Increase in Area of Leaf Surface of Cucumber plants.
Ann. Bot. Oxford. 42. (1928) No.166.pp.469-507.

Griffing, E.P. and C.L. Alsberg.

Forecasting Wheat Yields from the Weather. 420.
Wheat Stud. 5. (1928) No.1.

Grillo, F.M.

Note on the Natural Occurrence of Major Pests of Cotton in relation to Climatic Factors. 213.
Proc. S. and E. Afr. Agric. Conf. 1926.pp.179-80.
Abst. in Rev. Appl. Ent. 15a. (1927) Pt.10. pp.564-5.

Groschenkow, A.J. and M.K. Domontovitsch.

Experiments on the Effect of Light on the root nutrition of plants (Trans. title). 544.
J. Landw. Wiss. (1929) I. 6. p.179; II.6.p.767.
Abst. in Z. Pflern. Düng.u.Boden. I. 14. (1929) Pt. 4-5. pp.194-205: II. 15. (1930) Pt.5-6. p.366 and in Ann. Sci. Agron. (1929) No.6.

Grosse, W.

Influence of Temperature and Precipitation on Vegetation (Trans. title).
Met. Z. 43. (1926) No.9. pp.352-5.

Guillaume, A.

The Limits of Vegetation in the North and East of France (Trans. title).
Nature. Paris. 53. (1925) I. pp.348-50.

The Soils and Climate of Cochin China with reference to the cultivation of Sugar Cane. (Trans. title)
Pub. de l'agence economique. Gouv. gen. de l'Indochine. Paris. 1927.

Gullickson, T.W. and C.H. Eckles.

Relation of Sunlight to the Growth and Development of Calves.
J. Dairy Sci. 10. pp.87-94.

No. of Summary or Extract.

Guthrie, J.D. and J.M. Arthur.

Effect of Light, Carbon Dioxide and Temperature on flower and fruit production. 472.
Mem. Hort. Soc. New York. 3. (1927) pp.73-4.
Abst. in Expt. Sta. Rec. Wash. 60. No.9.pp.806-7.

Györffy, I.

Phytophenology of Szeged, Hungary, (a) 1925; (b) 1926; (c) 1927. (Trans. title).
Acta Litt. ac Sci. R. Univ. Francisco-Josephinae Sect. Sci. Nat. (a) 2. 2. 139-41; (b) 2. 3. 226-8; (c) Acta Biol. 1. 1. 110-13.

Haas, A.R.C. and F.F. Halma.

Effect of Sunlight on sap concentration of Citrus leaves. 625.
Bot. Gaz. 86. No.1. pp.102-6.

Haeussler, G.J. and A. Peterson.

Response of the Oriental Peach Moth and Codling Moth to Coloured Lights. 334.
Ann. Ent. Soc. Amer. 21. (1928) No.3. pp.353-75.
Abst. in Rev. Appl. Ent. 17a. (1929) Pt.1. p.42.

Haines, W.B.

The Cohesion developed by Capillary Forces in an Ideal Soil. 37.
J. Agric. Sci. 15. (1925) Pt.4. pp.529-35.

Haines, W.T. and H.H. Mitchell.

The Critical Temperature of the Chicken. 185.
J. Agric. Res. 34. (1927) No.6. pp.549-57.

Halbfass, W.

Water requirements of Plants (Trans. title) 288.
Int. Rev. Hydrobiol. 15. (1926) 34. pp.264-7.
Abst. in Biol. Abst. 2. (1928) No.1-2. p.28.

Haldane, M.E.

Irradiation of Fattening Cattle by a Mercury-Vapour Lamp. 430.
J. Min. Agric. 36. No.2. pp.141-4.

Halma, F.F. and H.S. Fawcett.

Relation of Growth of Helminthosporium Sacchari to Temperature. 20.
Phytopathology. 15. (1925) No.8. pp.463-9.

Halma, F.F. and A.R.C. Haas.

Effect of Sunlight on sap concentration of Citrus leaves. 625.
Bot. Gaz. 86. No.1. pp.102-6.

No. of Summary or Extract.

Hambleton, J.I.

Effect of Weather upon the Change in Weight of a Colony of Bees during the Honey Flow. 46.
Bull. U.S. Dept. Agric. No.1339. 1925.

Handschin, E.

The Effect of Soil Temperature on the Behaviour and Migration of Soil Fauna.
Rep. Agric. Met. Conf. Lond. 1928. pp.83-9.

Temperature as a factor in animal migration in Soil (Trans. title).
Verh. Naturf. Ges. Basel. 1929.

Hanna, W.F.

The Growth of Corn and Sunflowers in relation to Climatic Conditions. 51.
Bot. Gaz. 78. pp.200-13.
Abst. in Bot. Abst. 14. (1926) No.10-11.p.1283.

Hansen, A.

Treatment of Chickens with Ultra-violet Rays (Trans. title)
Ugeskr. Landm. 74. No.18. p.283.

Hansen, H.C.

The Water-Retaining Power of the Soil. 78.
J. Ecology. 14. (1926) No.1. pp.111-9.

Hanson, H.C.

Ecology and Crop Production on the Great Plains.
Ecology. 8. (1927) No.4. pp.487-9.

Harder, R.

Assimilation at Different Temperatures (Trans. title).
Jahrb. wiss. Bot. 64. (1924) No.1. pp.169-200.
Abst. in Expt. Sta. Rec. Wash. 54. (1926) No.8. p.726.

Hardy, F.

Field Measurement of Soil Moisture. 6.
Trop. Agric. Trinidad. 1. (1924) No.7.pp.98-100.
Abst. in Int. Rev. Sci. Prac. Agric. n.s. 2. (1924) No.4. pp.839-40.

Percolation in Colloidal Soils. 36.
J. Agric. Sci. 15. (1925) Pt.4. pp.434-43.

Harler, C.R.

Effect of Weather Conditions on Tea diseases in India. 182.
Quart. J. Ind. Tea. Ass. 1926. No.2. pp.61-72.
Abst. in Rev. Appl. Mycol. 6. (1927) Pt.1. p.2.

	No. of Summary or Extract.
Harley, C.P. and E.C. Auchter.	
Effect of various Lengths of Day on Development and Chemical Composition of some Horticultural Plants. Proc. Amer. Soc. Hort. Sci. 21. (1924) pp.199-214. Abst. in Expt. Sta. Rec. Wash. 56. No.7. pp.640-1.	210.
Harrington, E.L.	
Soil Temperatures in Saskatchewan. Soil Sci. 25. (1928) No.3. pp.183-94.	
Harrington, J.B.	
Growing Wheat and Barley hybrids in Winter by means of Artificial Light. Sci. Agric.7(1926) No.4. pp.125-30. Abst. in Expt. Sta. Rec. Wash. 57. No.1. p. 38.	219.
Harris, J.A.	
The Correlation between Sun-spot Number and Tree Growth. Mon. Weath. Rev. Wash. 54. (1926) No.1. pp.13-4.	80.
Hart, E.B., H. Steenbock, et al.	
The Influence of Ultra-violet Light on the Production, Hatchability and Fertility of the Egg. J. Biol. Chem. 65. No.3. pp.579-95.	
The Influence of Sunlight upon Calcium Equilibrium in Milking Cows. J. Biol. Chem. 67. No.2. (1926) pp.371-83. Abst. in Biol. Abst. 2. (1928) No.3-5. p.492.	315.
Harter, L.L. and J.J.Lauritzen.	
Influence of Temperature on the Infection of Sweet Potatoes by Rhizopus. J. Agric. Res. 30. (1925) No. 9. pp. 793-810.	19
The Relation of Humidity to Infection of the Sweet Potato by Rhizopus. J. Agric. Res. 33. (1926) No. 6. pp. 527-39.	127

No. of Summary or Extract.

Harter, L.L. and W. A. Whitney.

Influence of Soil Temperature and Soil Moisture on the Infection of Sweet Potatoes by the Black Rot Fungus. 97
J. Agric. Res. 32. (1926) No. 12. pp. 1153-60.

Relation of Soil Temperature and Soil Moisture to the infection of Sweet Potatoes by the Stem-rot organisms. 187
J. Agric. Res. 34 (1927) No. 5. pp. 435-41.

Hartzell, F.Z.

Relation of Snow cover to infestation by the Grape Berry Moth. 645
J. Econ. Ent. 22. pp.126-132.

Harukawa, I.C.

Relation of Temperature to the Growth of the Oriental Peach Moth. (Trans. title). 584
Ber. Ohara Inst. 4. (1929) No. 1. pp. 67-94.
Abst. in Expt. Sta. Rec. Wash. 62. No. 1. p. 58.

Harvey, R.B.

Length of exposure to low Temperature as a factor in the hardening process in Tree seedlings. 601
J. For. 28 (1930). No.1. pp.50-3.
Abst. in Expt.Sta.Rec. Wash. 62.No No.7. .p. 641.

Hatano, J. and Suzuki, K.

The Influence of Ultra-Violet Light upon the Growth of Animals (Trans. title). 317
Proc.Imp.Acad. Tokyo. 3. (1927) 2. pp. 94-6.
Abst. in Biol.Abst. 2. (1928) No.3-5 p. 474.

Haupt, W.

Thousand Corn Weight and Weather in the Years 1921 to 1936. (Trans. title).
Georgine 104. No. 10. pp. 65-6.

No. of Summary or Extract.

Hayasth, R.N., H.E.Annett and A.R.P.Aiyer.

Losses and Gains of Nitrogen in an Indian Soil. 314
Mem. Dept. Agric. India. Chem. 9. (1928) No.6.

Haylett, D.G.

A preliminary study of Crop Yields and Rainfall in the Transvaal.
Bull.Univ.Coll.Transvaal. No.19. 1930.

Hays, W.P.

The Effect of Environmental Temperature on the percentage of Fat in Cows' Milk. 186
J. Dairy Sci. 9. (1926) No.2. pp.219-35.
Abst.in Expt.Sta.Rec. Wash. 56. No.2. pp.170-1.

Headlee, T.G.

The Relation of Summer Rainfall to Mosquito Prevalence.
Bull.New Jers.Agric.Expt.Stas. 423. (1925) pp.3-14.

Some Data relative to the Relationship of Temperature to Codling Moth Activity. 417
J.N.Y.Ent.Soc.36(1928). pp.147-63.

An apparatus for the study of comparative effects of constant versus variable Temperatures on the speed of Insect metabolism. 555
J.N.Y. Ent.Soc. 37. (1929) No.1. pp.25 - 9.
Abst. in Expt.Sta.Rec. Wash. 61.No.7. p.655.

Hedley, B. and F.T. Shutt.

The combination of Nitrogen in Rain and Snow.
Proc.Roy. Soc. Can. (1925) 19.

Hedrich, V.P.

Winter Injury of Fruit Trees.
Amer. Fruit Gr. 45 (1925) No.3. p.39.

Hefley, H.

Differential Effects of Constant Humidities on the Tomato Moth and its Tachinid Parasite. 244
J. Econ. Ent. 21 (1928) No.1. pp.213-21.

No. of Summary or Extract.

Heitshu, D.C.

Studies of Moisture Content and drying of combined grain in Virginia. 449
Agric. Eng. Ames, Ia. 10 (1929) No.2.pp.63-4.
Abst. in Expt.Sta.Rec. Wash. 60. (1929) No.9. pp. 881-2.

Henderson, F.Y.

The Effect of Light and other conditions upon the Rate of Water-Loss from the mesophyll. 159
Ann.Bot. Oxford (1926) No.159. pp.507-33.

Henderson, J.Mc.A.

Effect of Irradiation and Diet on Calcium and Phosphorus Metabolism. 30
Bio. chem. J. 19 (1926) No.1. pp.52-62.

The Influence of Ultra-Violet Light on Nutrition. 62
Scot. J.Agric. 9. (1926) No.1. pp.33-9.

Henderson, J.Mc.A., J.B.Orr and H.E.Magee.

Effect of Ultra-Violet Light on the Mineral Metabolism of the Lactating Animal. 31
Bio-chem. J. 19. (1925) No.4. pp.569-72.

Hendrick, J. and Welsh, H.D.

The Substances removed by the Drainage from a Scottish Soil.
Proc.Int.Cong.Soil Sci. I. 2. pp.163-71.

Hendrickson, A.H. and F.J.Veihmeyer.

Soil Moisture conditions in relation to Plant Growth. 476
Pl.Physiol. 2. (1927) No.1. pp.71-82.
Abst. in Biol.Abst. 3. (1929). No.4-6. p.864.

Soil Moisture at permanent Wilting of Plants. 613
Pl. Physiol. 3. (1929). No.3. pp.355-7.
Abst. in Expt.Sta.Rec. Wash. 62..No.7. p.617.

The Relation of Soil Moisture to cultivation and Plant Growth. 61.
Proc.Int.Cong.Soil Sci. I. 3. pp.498-513.
Abst.in Biol.Abst. 4. (1930). No.5. p.1515.

Henrici, M.

Factors affecting the Chlorophyll-content of Grasses in Bechuanaland. 308
Rep.Vet.Res.S.Afr. 11-12. (1926) 1. pp. 259-270.
Abst. in Biol. Abst. 2. (1928) No. 3-5. pp. 457-8.

Henry, A.

Remarks on M. Raymond's note "On the lateness of Vegetation at Antibes in 1926" (Trans. title).
Mét.Paris. 3. 1927. pp.251-2.

Henry, A.J. and C.G.Bates.

Forest and Stream flow experiment at Wagon Wheel Gap, Colorado. 283
Mon.Weath.Rev.Wash. Suppl. No.30. 1928.

Heptia, R.

Climatic Influences on the Growth of Sugar Beet in Hesbaye during 1926 (Trans.title). 231
Ann.Gembl. 33 (1927) No.8. pp.296-7.

Herbert, P.A.

The Weather and Maple Sugar Production.
Quart.Bull.Mich.Agric.Expt.Sta. 7. (1924) No.2. pp.60-2.
Abst. in Expt.Sta.Rec. Wash. 52. No.5. p.416.

Herms, W.B.

A field test of the Effect of Artificial Light on the behaviour of the Codling Moth, Carpocapsa Pomonella Linn. 573
J.Econ.Ent. 22 (1929) No.1. pp.78-87.
Abst.in Expt.Sta.Rec. Wash. 61. No.31 p.251.

Hibben, S.G.

Influence of Coloured Light on Plant Growth.
Trans.Illum.Eng.Soc.N.Y. 19. (1924) No.10.

Hill, D.D. and S.C.Salmon.

The Resistance of Certain Varieties of Winter Wheat to Artificially Produced Low Temperatures.
J.Agric.Res. 35. (1927) No.10. pp.933-7.

Hill, H.H. and W.B.Ellett.

The leaching of Plant Food (in Rainfall)through the soil. 591
Rep.Virginia Agric.Expt.Sta. 1920-7. pp.26-8.
Abst.in Expt.Sta.Rec.Wash. 61 No.8. p.713.

Hill, L.

Measurement of the biologically active Ultra-Violet Rays of Sunlight. 459
Proc.Roy.Soc.A 116. pp.268-277.
Abst.in Biol.Abst. 2 (1928) No.6-8. pp.891-2.

Hill, M. J.A.Rosenbaum and F.E.Mussehl.

The Antirachitic Properties of Irradiated Feedstuffs.
Poultry Sci. 6. (1926) No.1. pp.25-8.

No. of Summary or Extract.

Hiltner, E.

Phenology and its importance, with special reference to the phenology of winter rye in Bavaria, 1917-23 (Trans. title). Freising. F.P. Datterer & Co. 1926.

Discoloration and Growth Checks in Barley and other varieties of cereals: is this injury caused by Cold? (Trans. title). Prakt. Bl. Pflanzenb. 4. No.49. 1926.

Time of blossoming of various grasses and fodder plants in 1926. (Trans. title). Prakt.Bl. Pflanzenb. 5. No.2. pp.43-7. Abst. in Biol.Abst. 2. (1928) No.6-8.p.1145. 460

Dew. Its part in Plant building (Trans.title) 620
Wiss.Arch.Landw. A.3. 1. p.70.
Abst. in Ann.Sci.Agron. 47 (1930) No.3.p.457.

Hinds, W.E.

Is there any definite Basis for Forecasting Insect Outbreaks? 337
J. Econ.Ent. 21. No.4. pp.559-63.
Abst. in Rev.Appl.Ent. 16A.(1928) Pt.12.p.674.

Hinsel, W.

The Beneficial and Injurious Effects of Short Wave Rays in Nature.
Int.Rev.Sci.Pract.Agric. n.s. 3 (1925) No.2. pp.331-7.

Hinshaw,W.R., J.B.Fitch, R.W.Titus and J.S.Hughes.

Destruction of Vitamin A in Milk by Ultra-Violet Light. 190
Indust.and Engng.Chem. 18 (1926) No.8. p.843.
Abst.in Expt.Sta.Rec. Wash. 56 (1927) No.1. pp.88-9.

Hirata, T.

Contributions to the problem of the relation between Forest and Water in Japan. 589
Imp.For.Expt.Sta. Tokyo. 1929.

Hitchcock, A.E. and P.W.Zimmerman.

Root formation and Flowering of Dahlia cuttings when subjected to different day-lengths. 527
Bot.Gaz. 87. 1. pp.1-13.
Abst.in Biol.Abst. 3 (1929) No.9-11. p.1671.

Hiura, M.

Studies on some downy mildews of agricultural plants. II. Relation of Meteorological Conditions to the Downy Mildew of Cucumber (Trans. title). (In Japanese. English summary). 489
Res.Bull.Gifu.Imp.Coll.Agric. No.6.
Abst.in Rev.Appl.Mycol. 8. (1929) Pt.II. p.698.

No. of Summary or Extract.

Hoagland, D.R. and A.R.Davis.

An apparatus for the Growth of Plants in a controlled Environment. 639
Pl.Physiol. 3. (1928) No.3. pp.277-92.
Abst.in Expt.Sta.Rec. Wash. 62 No.7. p.615.

Hoblyn, T.N.

A Statistical Analysis of the daily observations of the Maximum and Minimum Thermometers at Rothamsted.
Quart.J.R.Met.Soc. 54. (1928) No.227. pp.183-202.
Rep.Agric.Met.Conf. Lond. 1927. pp. 9-14.

Hofmann, E.

The expression of optimal Light utilisation in Leaf structure (Trans. title). 565
Bot.Arch. 18 (1927). No.4. pp.288-96.
English abstract p.296.
Abst. in Expt.Sta.Rec. Wash. 61. No.4. p.324.

Hofmann, J.V.

Some relations between Meteorological Factors and Forest Fires. 550
Proc.Penn.Acad.Sci. 2. (1927-28) pp.31-4.
Abst. in Expt.Sta.Rec.Wash. 60. No.3. p.206.

Holbert, J.R. and Dickson, J.G.

The Relation of Temperature to the Development of Disease in Plants. 302
Amer.Nat. 62. (1928) No.681. pp.311-33.

Holbert, J.R. and W.L.Burlison.

Studies of Cold Resistance and Susceptibility in Corn (Maize). 399
Abst. in Phytopathology. 19. (1929) No.1. pp.105-6.

Holbert, J.R. and J.G.Dickson.

The Influence of Temperature upon the Metabolism and Expression of Disease Resistance in Selfed Lines of Corn (Maize).
J.Amer.Soc.Agron. 18. (1926) No.4. pp.314-22.

Holbert, J.R. et.al.

The Influence of Environment during maturation upon predisposition to Seedling Blight in Wheat and Corn (Maize) strains. 496
Abst.in Phytopathology. 19. (1929) No.1. p.79.

Holdefleiss, P.

The Organisation of Agricultural Meteorology in Germany.
Int.Rev.Sci.Prac.Agric. (n.s.) 2.(1924) No.2. pp.265-71.

On the Influence of Weather Factors on the Yield of Crops. (Trans. title).
Kühn.Archiv. 9. (1925) pp.53-78.

No. of Summary or Extract.

Hoxmark, G.

Climatic Conditions and Yield of Wheat in Argentina. (Trans. title). 26
Circ.Minist.Agric.Argent. No.501. (1925).

The Yield of Wheat in 1925-26 in the provinces of Cordoba and Santa Fe and its relation to the Climatic Conditions.
Circ.Minist.Agric.Argent. No.623 (1926)

The Yield of Maize in Argentina and the Climatic Conditions.
Circ.Minist.Agric.Argent. No.697. (1927) 44 pp.

Influence of Climatic Conditions on the yearly production of Wool in Argentina. (Trans.title).
Bol.Minist.Agric. B.Aires. No.716. (1927).

Hughes, Payne and Latshaw.

The Influence of Ultra-Violet Light on Leg Weakness and on Egg Production. 57
Poult.Sci. 4. (1925) No.4. p.151.
Abst.in Scot.J.Agric. 9. (1926) No.1. p.106.

Hughes, J.S., W.R. Hinshaw, J.B.Fitch and R.W.Titus.

Destruction of Vitamin A in Milk by Ultra-Violet Light. 190
Indust.and Engng.Chem. 18. (1926) No.8. p.843.
Abst.in Expt.Sta.Rec.Wash. 56. No.1. pp.88-9.

Hurd-Karrer, A.M.

Relation of Leaf Acidity to Vigour in Wheat grown at different Temperatures. 462
J.Agric.Res. 39. (1929) No.5. pp.341-50.

Hutchinson, W.G., K.H.N.Newton and W.H.Snell.

Temperature and Moisture relations of Fomes roseus and Trametes subrosea. 415
Mycologia. 20. 5. pp.276-91.
Abst.in Rev.Appl.Mycol. 8. (1929) Pt.3. p.147.

Iguchi, K. and K. Kitamura.

Influence of Ultra-Violet rays upon the milking Cow. 447
J.Fac.Agric. Hokkaido. 24 (1928) No.2. pp.39-60.

Ihne, E.

What practical application has Plant Phenology found up to now? (Trans. title).
Arb.Landw. Kamm. Hessen. No.45.

Ilhov, V.

Is Rain water a Nitrogen fertiliser? (Trans.title) 158
Rev.Inst.Rech.agron. Bulg.3. (1925).No.4. 6. pp.325-38.
Abst.in Expt.Sta.Rec. Wash. 54.No.7. May 1926. p.615.

No. of Summary or Extract.

Immer, F.R. and J.J. Christensen.

Influence of Environmental Factors on the seasonal prevalence of Corn (Maize) Smut. 336.
Phytopathology. 18. (1928) No.7. pp.589-98.

Imms, A.D.

Methods of Environmental Control at the Boyce-Thompson Institute, Yonkers. 40.
Rept. on Trav. Res. Fell. to N. America. 1925.

Ingersoll, L.R. and O.A. Koepp.

Thermal diffusivity and conductivity of some soil materials.
Phys. Rev. 24. 1924. pp.92-3.

Irwin, J.O.

Crop Forecasting and the use of Meteorological Data in its Improvement.
Rept. Conf. Emp. Met. 1929 (Agric. Sect.). 2. pp.220-270.
Minist. Agric. Lond.

Jacks, G.V. and H.J. Page.

The Effects of Temperature and Humidity on the Changes in Weight of Crops in Storage.
Rep. Agric. Met. Conf. Lond. 1927. pp.15-8.

Jacob, S.M.

Crop and Weather Data in India and their Statistical Treament.
Agric. J. Ind. 22. (1927) Pt.4. pp.269-80.
Rept. Conf. Emp. Met. 1929 (Agric. Sect.) 2. pp.277-88.
Minist. Agric. Lond.

Jacobs, M.H.

The Complex Nature of the Effects of Temperature on the Rates of Certain Biological Processes. 303.
Amer. Nat. 62. No.681. 1928. pp.289-97.

James, P.E.

Some Geographical Relations in Tri[illegible]d.
Scot. Geogr. Mag. 42. 1926. pp.84-93.

Janisch, E.

The Temperature requirements of Insects (Trans. title).
Pfluger's Arch. 209. (1925) 2 & 3. pp.414-36.

Experimental Investigations into the Effects of Environmental Factors on Insects. I. The outbreaks of [illegible] in Egypt. (Trans.title) 640.
Z. Morphol. Ökol. Tiere. 17. No.1-2.pp.339-416.
Abst. in Rev. Appl. Ent. 18a. (1930) Pt.5. p.241.

No. of Summary or Extract.

Janson, A.

Susceptibility of Ornamental Trees to Smoke Injury (Trans. title).
Deutsche Abst.-u. Gomusobauzeit. 80. pp.578-9.
Abst. in Rev. App. Mycol. 5. (1926) Pt.2. pp.67-8.

Jansons, E.

Plant Phenological Observations in Lettland 1927. (Trans. title).
Arb. Met. Inst. Univ. Riga. No.9. 1929.
In Latvian with German Summary.

Janssen, G. et al.

The Influence of Environment during maturation upon predisposition to Seedling Blight in Wheat and Corn (Maize) strains. 496.
Abst. in Phytopathology. 19. (1929) No.1.p.79.

Jarvis, E.

The Effect of Temperature on Sugar Cane Insects in Queensland. 514.
Qd. Agric. J. 32. Pt.4. p.383.
Abst. in Rev. Appl. Ent. 18a. (1930) Pt.3. pp.106-7.

Jefferson, M.

A new delimitation of the arid regions.
Geogr. Rev. 17. 1927. pp.335-8.

Jenny, H.

Relation of Climatic Factors to the Amount of Nitrogen in Soils. 299.
J. Amer. Soc. Agron. 20. (1928) No.9.pp.900-12.

Relation of (Air) Temperature to the amount of Nitrogen in Soils. 556.
Soil Sci. 27. (1929) No.3. pp.169-88.
Abst. in Expt. Sta. Rec. Wash. 61. No.4. p.316.

Johnson, A.H. and W.C. Whitcomb.

A comparison of some properties of Normal and Frosted Wheats. 553.
Bull. Montana Agric. Expt. Sta. No.204. 1927.
Abst. in Expt. Sta. Rec. Wash. 60. No.3. p.228.

Johnson, E.L.

Relation of Sheep to Climate. 11.
J. Agric. Res. 29. (1924) No.10. pp. 491-500.

Johnson, E.M.

Analyses of Rainfall in Kentucky from a Protected and an Exposed Gauge. 22.
J. Amer. Soc. Agron. 17. (1925) No.10. pp.589-91.

Johnson, E.M. and J.F. Freeman.

Sulphur and Nitrogen in Rainfall in Kentucky.
J. Amer. Soc. Agron. 16. (1924) No.6. pp.353-8.
Abst. in Int. Rev. Sci. Prac. Agric. (n.s.) (1925) No.1. p.159.

Johnson, J.

Constant Temperature and Humidity Chambers. 106.
Phytopathology. 18. (1928) No.2. pp.227-38.

Johnson, J., J.G. Dickson and L.R. Jones.

Studies upon the Relation of Soil Temperature to Plant Disease. 195.
Bull. Wisc. Agric. Expt. Sta. No.71. (1926).

Johnson, N.K. and E.L. Davies.

Some measurements of Temperatures near the Surface in various kinds of Soils.
Quart. J.R. Met. Soc. 53. No.221. Jan. 1927. pp.45-59.

Johnston, C.O.

Effects of Soil Moisture and Temperature and of Dehulling on the Infection of Oats by loose and covered Smuts. 167.
Phytopathology. 17. (1927) No.1. pp.31-6.

Joleaud, L.

The Relation between the Rains and the Zones of Vegetation in Morocco. (Trans. title).
Nature, Paris. 53. 2. 1925. pp.293-301.

Jones, L.R., J. Johnson and J.G. Dickson.

Studies upon the Relation of Soil Temperature to Plant Disease. 195.
Bull. Wisc. Agric. Expt. Sta. No.71. 1926.

Jones, M.G.

The Growing of Winter Oats.
J. Minist. Agric. 33. No.5. Aug. 1926. pp.425-37.

Joseph, H.C.

Germination and keeping quality of Parsnip seed under various temperature and Humidity conditions. 443.
Bot. Gaz. 87. (1929) No.1. pp.195-210.
Abst. in Expt. Sta. Rec. Wash. 60. No.9.pp.822-3.

Josephson, H.B., C.O. Cromer and J.S. Cobb.

Effect of Weather conditions on the Moisture Content of standing grain. 448.
Agric. Eng. Ames, Ia. 10. (1929) No.2. p.54.
Abst. in Expt. Sta. Rec. Wash. 60. No.9. p.881.

Jovins, S.

Climate and the production of Grain in the South (Trans. title).
Ital. Agric. 67. (1930) p.26-35.

No. of Summary or Extract.

Junker, -

Horken's new Artificial Rain Process.(Trans.title)
Mitt.deuts.Landw.Ges. 40.(1925) No.1.

Kable, G.W.

Results from Artificial Lighting of laying houses. 189
Agric.Eng.Ames. Ia. 7.(1926) No.9. p.304.
Abst.in Expt.Sta.Rec. Wash. 56. No.2. p.181.

Kable, G.W., F.E.Fox and A.G.Lunn.

Electric Lights for increasing Egg production. 408
Bull.Oregon Agric.Expt.Sta. No.231. 1928.
Abst.in Expt.Sta.Rec. Wash. 59. No.7. p.665.

Kaburaki, T. and A.Kamito.

Attraction of the Rice Borer Moth to Lights at different periods. 593
J.Coll.Agric.Tokyo. 10.(1929) No.2. pp.151-8.
Abst.in Expt.Sta.Rec. Wash. 62. No.2. p.156.

Kaigorodoff, A.

Agricultural Meteorology and raising the agricultural Productivity. 497
Mon.Weath.Rev. Wash. 57 (1929) No.9. pp.374-5.

On the present state and future of agricultural meteorology (12 points). (Trans.title). 655
Met.Z. 46 (1929) No.10, pp.399-400.

Kamaneff, A.

Influence of Plant Cover (Winter Wheat) on the Temperature of the surface Soil and the Temperature and Moisture of the Air (Trans.title) 609
Lem.Inst.Agron.Leningrad. 5.(1929) No.5. pp.43-75.
German abstract on pp.74-5.
Abst.in Expt.Sta.Rec. Wash. 62. No.4. p.313.

Kamenicky, K.

Enquiry into the losses caused by Frost to Fruit Trees in Czechoslovakia (Trans.title).
Bull.Czechoslov.Acad.Agric. 5. Nov.1929.pp.880-4.
English summary on pp.963-4.

Kaminsky, A.A.

On the question of the Influence of the afforestation of the woodlands in India on the Rainfall (Trans. title). 21
Bull.Obs.Geophys.Cent.Leningrad. No.4. 1928.
pp. 3-14.
In Russian with German summary.

Kamito, A. and T. Kaburaki.

Attraction of the Rice Borer Moth to Lights at different periods. 593
J.Coll.Agric.Tokyo. 10. (1929) No.2. pp.151-8.
Abst.in Expt.Sta.Rec. Wash. 62. No.2. p.156.

Kanitz, A.

Temperature and Life (Trans. title).
Februder Borntraeger, Berlin, 1915.

No. of Summary or Extract.

Karisnev, R. and V. Lubimenko.

Effect of Light on assimilation of organic reserves of the seed by young plants (Trans. title). 624
C.R.Acad.Sci. U.R.S.S. 1927. pp.381-6.
Abst.in Biol.Abst. 4. (1930) No.2. p.355.

Kaserer, H.

The Relations of Soil and Air Temperatures in their influence on Crop Returns. (Trans. title). 260
Fortschr.Landw. 2. (1927) No.7. pp.205.12.
Abst.in Int.Rev.Sci.Prac.Agric. 18 n.s. (1927) No.5. pp.258-9.

Kassner, C.

Rainfall and the Yield of Crops. (Trans.title).
Mitt.deuts.Landw.Ges. 44. No.28. pp.630-1.

Dry and Wet Spells during the growth period in Central North Germany (Trans. title). 548
Landw.Jahrb. 69. No.3. pp.429-51.

Keen, B.A.

The Border Line between Meteorology and Soil Physics.
Met.Mag. Sept. 1925.

Agricultural Meteorological work at Rothamsted.
J.Minist.Agric. 33. No.3. (1926) pp.210-8.

Keen, B.A., A.N.Puri and E.M.Crowther.

The Relations between Vapour Pressure and Water Content of Soils.
J.Agric.Sci. 15. (1925) Pt.1. p.68.

Keinholz, R.

The Effect of High Temperatures on the Germination and Subsequent Growth of Maize. 66
Philipp. J.Sci. 25. (1924) No.3. pp.311-47.
Abst.in Expt.Sta.Rec. Wash. 53. No.7. p.623.

Kemp, W.B. and J.E.Metzger.

Environmental Factors influencing Wheat production in Maryland.
Bull.Maryland Agric.Expt.Sta. No.297. pp.125-73.

Kennard, D.C.

All-night Lights for winter layers. 637
Bi-m. Bull.Ohio Agric.Expt.Sta. No.9. 41. pp.195-8.
Abst.in Expt.Sta.Rec. Wash. 63. No.4. p.369.

Kennard, D.C. and R.M.Bethke.

Growth of Chicks as affected by Sunlight through window Glass, through a Glass Substitute and direct Sunlight. 175
Bi-m.Bull.Ohio Agric.Expt.Sta. 11.(1926)No.4. pp.131-5.
Abst.in Expt.Sta.Rec. Wash. 55. No.7. p.671.

No. of Summary or Extract.

Keranen, J.

On the Dependence of the Harvest upon the Temperature in the foregoing Winter and May. (Trans. title).
Mitt.Met.Lent.Anst.Finn.Staates. 15. 1925.

Kerr, H.W. and W.E.Trottingham.

Climatic Effects in the metabolism of Maize. 578
Pl. Physiol. 1. No.4. pp. 415-6.
Abst.in Expt.Sta.Rec. Wash. 61. No.1. p.22.

Kerz, -

Defence against Night Frosts (Trans. title).
Geisenheim.Mitt.Obst.-u.Gtb. 43(1928) No.10.p.163.

Kessler, O.W.

Frost and Frost protection in Viticulture. (Trans. title).
Wein u.Rebe. 10. 1928.

Kezer, A. and D.W.Robertson.

The Critical Period of Applying Irrigation Water to Wheat. 168
J.Amer.Soc.Agron. 19. (1927) No.2. pp.80-116.

Kidd, F.

Biology and Refrigeration. II. Refrigeration and Fruit.
J.R.Soc.Arts. 77. Feb.1929. pp.288-306.

Kidson, E.

Protection of Orchards against Frosts.
N.Z.J.Sci.Tech. 9. No.4. pp.21-25.

Weather and Wheat-Yields at Lincoln College, New Zealand.
Rept.Conf.Emp.Met. 1929 (Agric.Sect.) II. pp.299-306.
Minist. Agric. Lond.

Kiesselbach, T.A., J.C.Russel and A. Anderson.

The Significance of Subsoil Moisture in Alfalfa production. 493
J.Amer.Soc.Agron. 21 (1929) No. . pp.241-68.

Kincer, J.B.

The Cotton Plant in relation to Temperature and Rainfall.
Mon.Weath.Reb.Wash. 52 (1924) No.6. pp.306-7.

Protecting Orchards from Frost.
Bull.Amer.Met.Soc. 6. 1925. pp.116-22.

Weather and the Cotton Boll Weevil. 309
Mon.Weath.Rev. Wash. 56 (1928) No.8. pp.301-4.

No. of Summary or Extract.

Kincer, J.B. and W.A.Mattice.

Statistical Correlations of Weather Influence on Crop Yields.
Mon.Weath.Rev. Wash. 56. (1928) No.2. pp.53-7.

Kind, W.

Electrical Soil Heating (Trans. title). 610
Tech.Landw. 10 (1929) No.12. pp.285-90.
Abst. in Expt.Sta.Rec. Wash. 62. No.7. p.672.

King, M.L. and F.L.Musbach.

The Weather as a Factor in Crop Production.
J.Amer.Soc.Agron. 16. (1924) No.6. pp.381-3.
Abst.in Expt.Sta.Rec. Wash. 52. No.2. p.114.

Kirsch, A., C. Falkenheim and W. Voeltz.

The Influence of Sunlight or Artificial Ultra-Violet Ray Treatment of Cows on the Secretion of Anti-rachitic Milk. 230
Landw.Jahrb. 65. 3. 1927.

Klages, K.H.

Relation of Soil Moisture Content to Resistance of Wheat seedlings to low Temperatures. 280
J.Amer.Soc.Agron. 18 (1926) No.3. pp.184-93.
Abst.in Expt.Sta.Rec. Wash. 58. No.9. p.822.

Comparative winterhardiness of species and varieties of Vetches and Peas in relation to their yielding ability. 537
J.Amer.Soc.Agron. 20 (1928) No.9. pp.982-7.
Abst.in Expt.Sta.Rec.Wash. 60 No.4. p.317.

Klein, G.

The Use of Electric Light in Horticulture. (Trans. title). 269
Fetschr.Osterreich.Gartenbaugesellsch. 1827-1927. pp. 33-53. Vienna. 1927.
Abst.in Expt.Sta.Rec.Wash. 58.No.6. p.525.

Klein, P. and J.Sanson.

Agricultural Physics and Meteorology (Trans.title)
Libraire Agricole. Paris, 1925. 464 pp.

Kleine, R.

The Dependence of Wheat Stem Fly on Temperature (Trans.title). 99
Z.Wiss.Insekt.Biol. 21. No.4-5. 1926. pp.91-8.
Abst.in Rev.Appl.Ent. 14a. (1926) Pt.8. p.377.

Knitter, E.

Relations between Climatic Factors and Plant Cultivation in Silesia (Trans. title). 547
Wiss.Arch.Landw. A. 1. 1929. pp.273-329.

No. of Summary or Extract.

Knock, K.

The Possibility of Computing the Decrease of Harvest on the basis of Meteorological Reports. Naturwissenschaften 11. 1923. pp.769-76. Abst.in Bot.Abst. 14 (1925) No.2. p.163.

Knocke, E.

Insect Pest, Climate and Control (Trans.title). 451
Arb.biol.Anst.Berl. 16 No.4. pp.705-75.

Knott, J.E.

The Effect of Cold Temperatures on the Growth of Vegetables.
J.Amer.Soc.Agron. 17. (1925) No.1. pp.54-7.

Kobayasi, Y.

The Influence of External Conditions on the blooming of Rice flowers. (Trans. title). 183
J.Agric.Soc.Japan. No.279. 1926. pp.59-72.
Abst.in Expt.Sta.Rec. Wash. 56.No.3. p.232.

Koepp, O.A. and L.R.Ingersoll.

Thermal diffusivity and conductivity of some soil materials.
Phys.Rev. 24. 1924. pp.92-3.

Koloskoff, P.J.

The Climatic basis of Agriculture in Amour District (Trans. title).
Russian Far East Met. Bureau. Blagoveschensk, 1925. In Russian English summary pp.145-52.

Kommerell, E.

Influence of Light of Various Wave-Lengths on Seed Germination (Trans.title). 316
Jahrb. wiss.Bot. 66.(1927) 3. pp.461-512.
Abst.in Biol.Abst. 2. (1928) No.3-5. p.467.

Könekamp, A. and F. König.

The Influence of Soil Moisture on the development of some Clover Grass Mixtures. (Trans. title). 543
Landw. Jahrb. 60. Np.2. pp.209-52.

König, F. and A. Könekamp.

The Influence of Soil Moisture on the development of some Clover Grass Mixtures. (Trans. title). 543
Landw. Jahrb. 69. No.2. pp.209-52.

Kononoff, M.M.

The Behaviour of nitrifying bacteria under high Temperature. (Trans. title). 434
Ann.State Inst.Expt.Agron. 5. No.2 & 3. 1927.
Abst. in Ann.Sci.Agron. 46. (1929) No.2. p.204 and in Biederm.Zbl. 58 (1929) No.1. pp.37-8.

No. of Summary or Extract.

Kopatchevsky, M.

Phenological Observations in the Ukraine, in the agricultural year 1925-26. (Trans. title) Ukraine Met. and Hydrol. Serv. Kiev. 1930.

Kopp, O.H.

An attempt to solve the Phenological problem. (Trans. title). 95.
Forstwiss. Zbl. 47. pp.820-9, 866-75. 1925.
Abst. in Bot. Abst. 15. (1926) No.4-5. pp.520-1.

Koppen, W.

Methods of determining Duration of Temperature above a given degree, and their application to the Limits of Distribution of Common Beech and Red Oak (Trans. title). 221.
Bot. Jahrb. 60. (1926) 5. pp.553-64.
Abst. in Biol. Abst. I. (1927) No.5. p.596.

Unlike Use of Climate by Plants (Trans. title) 84.
Met. Z. 42. (1925) No.6. p.237.
Abst. in Expt. Sta. Rec. Wash. 54. No.1. Jan.1926.

The Annual Temperature Curve in the Temperate Zone in relation to the recurrent Plant Phenomena (Trans. title).
Met. Z. 43. 1926. pp.161-72.

Variations in the Chronological Order of Flowering of Plants (Trans. title).
Met. Z. 44. May 1927. pp.174-6.

Korff, G. and J. Weigert.

Influence of the Weather on the Development and Soundness of Crop Plants in 1926 (Trans. title)
Prakt. Bl. Pflanzenb. 4. No.5. pp.103-11.

Korneff, B.J.

Absorption Capacity of the Soil. Apparatus for Measurement - Automatic Regulation (Trans. title)
Ann. Sci. Agron. 43. (1926) No.5. pp.353-85.

Korz, -

Defence against Night Frosts (Trans. title)
Geisenheim. Mitt. Obst-u.Gtb. 43. (1928) No.10. p.163.

Kostka, P.

Experiences with Artificial Rain in East Prussia (Trans. title) 525.
Mitt. Deuts. Landw. Ges. 41. 20. pp.428-31.

Kotowski, F.

Alternation of Soil Temperature and Germination of Vegetable Seed. 502.
Acta Soc. Bot. Poloniae. 5. 1. pp.71-8.

Temperature relations to Germination of Vegetable Seed. 261.
Proc. Amer. Soc. Hort. Sci. 23. (1926) pp.176-84.
Abst. in Expt. Sta. Rec. Wash. 58. No.6.p.535.

Kozhevnikov, A. and N.Tulaikov.

The Absorption of Rain Water by Soil under Vegetation and its utilization by Plants. (Trans. title). Soil Sci. 25. No.3. 1928. pp. 213-24.

Kries, M., E.B.Forbes and W.W.Braman.

The Influence of the Environmental Temperature on the Heat Production of Cattle. 122
J.Agric. Res. 33, (1926), No.6. pp. 579-89.

B.H.Krauss and C.P.Sideris. 521

Soil Moisture relations of Pineapple Plants.
Soil Sci. 26. No.4. pp. 305-15.
Abst. In Biol. Abst. 3. (1929). No. 9-11. p.1999.

Krotkina, M.A., and N.A.Maximow. 596

Investigation on the after-effect of Low Temperature on the length of the Vegetation Period (Trans. title).
Bull. Appl. Bot. Gen. Pl. Breed. 23. No.2. English summary pp. 477-8.

Kulkarni, L.B., and W.Burns. 419

A Line Survey of Grassland with reference mainly to Rainfall.
J. Ind. Bot. Soc. Madras. 6. (1927). No. 3-4. pp.103-8.

Kynett, L., and J.Lohner.

Chemical Composition of Rains and Snows at Mount Vernon, Iowa.
Mon. Weath. Rev. Wash. 57. (1929) No.11. p. 461.

L, I.A.

Figures indicating the effect of Temperature on Yield. (Trans. title).
Ugeskr. Landm. 74. No.8. p.117.

Lal, R.B. and S.S.Bhatnager. 74

Effect of Polarised Light on Bacterial Growth.
Nature.Lond. 117. 27th Feb. 1926. p.302.

Lamb, C.E. 123

A Comparison of the Minimum Temperatures as recorded by Grass Minimum Thermometers set over Shingle and Grass at Felixstowe.
Quart. J.R. Met. Soc. 52. (1926). No.220. pp.427-8.

Lambert, E.B. 410

The Relation of Weather to the development of Stem Rust in the Mississipoi Valley.
Phytopathology 19. (1929). No.1. pp.1-71.

Studies on the relation of Temperature to the Growth, Parasitism, Thermal Death Points and Control of Mycogone Perniciosa. 602
Phytopathology 20. No.1. pp. 75-83.
Abst. In Rev. Appl. Mycol. 9. (1930). Pt.7.

No. of Summary or Extract.

Lambert, E.B. and E.C. Stackman.

The Relation of Temperature during the Growing Season to the occurrence of Stem Rust Epidemics in the Spring Wheat area of U.S.A. Phytopathology. 18. (1928) No.4. pp.369-74. 253.

Lambikin, M.M.

Influence of Crop Plant cover on Meteorological Conditions. (Trans. title). J. Landw. Wiss. 4. (1927) No.12. pp.830-44. German abstract p.844. Abst. in Expt. Sta. Rec. Wash. 60. No.8. p.709. 575.

Lange, L.B. and A.M. Baetjer.

Effect of Temperature and Humidity on the susceptibility and resistance to Tuberculosis in Guinea-pigs. Amer. J. Hyg. 8. 1928. p.935. 321.

Laplaud, M. and A. Garnier.

The Development of Agricultural Meteorology in Terra di Lavoro (Trans. title). Met. prat. Montecassino. 8. (1927) pp.262-4.

Effect of Meteorological Conditions on Egg-Laying (Trans. title). Rev. zootech. Rev. des Eleveurs. 1924. No.8. pp.95-100. Abst. in Int. Rev. Sci. Prac. Agric. (n.s.). 2. (1924) No.4. p.972. 7.

Larsen, J.H. Thal.

On the influence of Rainfall on the Groundwater Level (Trans. title). Meded. Landb. Hoogosch. wageningen. 34. No.5. English summary pp.13-9. 562.

Latshaw, Hughes and Payne.

The Influence of Ultra-Violet Light on Leg Weakness and on Egg Production. Poult. Sci. 4. (1925) No.4. p.151. Abst. in Scot. J. Agric. 9. (1926) No.1. p.106. 57.

Latta, R.

The Effect of the extreme Temperature of December 7th, 8th and 9th, 1927, on hibernating Crioceris asparagi, L. and Hippodamia convergens, Guer. at Ames, Iowa. Psyche. Camb. Mass. 35. No.4. pp.229-31. Abst. in Rev. Appl. Ent. 17a. (1929) Pt.5. p.276. 439.

Laupper, G.

The Losses to Agriculture caused by the spontaneous combustion of Haystacks (Trans. title) Mat. Etude Calamites. 3. pp.112-36. English summary pp.138-40.

No. of Summary or Extract.

Laurent, L.

The Cold Weather of 13th February 1929. Its effect on the Trees and Shrubs in the neighbourhood of Marseilles (Trans. title). Bull. Comm. Met. Bouches-du-Rhone. 48. (1929) pp.97-110.

Lauritzen, J.I.

Infection and Temperature Relations of Black Rot of Sweet Potato in Storage. J. Agric. Research. 33. (1926) No.7. pp.663-76. 124.

Lauritzen, J.J. and Harter, L.L.

Influence of Temperature on the Infection of Sweet Potatoes by Rhizopus. J. Agric. Res. 30. (1925) No.9. pp.793-810. 19.

The Relation of Humidity to Infection of the Sweet Potato by Rhizopus. J. Agric. Res. 33. (1926) No.6. pp.527-39. 127.

Leach, J.G.

The Relation of Insects and Weather to the Development of Heart Rot of Celery. Phytopathology. 17. (1927) No.9. pp.663-7.

Leake, H.M.

The Agricultural Value of Rainfall in the Tropics. Proc. Roy. Soc. B. 103. (1928) No.B722. pp.92-96. Abst. in Expt. Sta. Rec. Wash. 59 No.8. pp.714-5. 404.

Rainfall and Crop Conditions. Trop. Agric. Trinidad. 6. (1929) No.2. pp.43-5; No.3. pp.74-7.

Lebedeff, A.F. and E.V. Talalaev.

Hydrological and climatological conditions and the loss of Wheat in 1927-1928 and possible agricultural technical methods for fighting the loss of Winter Corn (Trans. title). (Russian text and title). Rostoff-on-Don. 1928. In R. Met. Soc. Library,

Lebedev, A.D. and A.F. Evert.

Geographical Distribution of the Flax growing districts in U.S.S.R., according to quality of fibre, with reference to Temperature and Rainfall during the growing period (Trans. title) English summary. Bull. Appl. Bot. Gen. and Plant. Breed. 18. No.1. pp.371-96. Abst. in Biol. Abst. 3. (1929) No.4-6. p.852. 474.

Lebedeva, L.A.

Phenological Observations on Plant Diseases in Russia in 1927 (Trans. title) Mater. Mycol. and Phytopath. 6. (1927) No.1. pp.227-38. Abst. in Rev. Appl. Mycol. 7. (1928) Pt.5.pp.297-8.

Lebedincev, E.

Physiological and anatomical peculiarities of Plants grown in Dry or in Moist Air. (Trans. title). 563
Ber.deuts.bot.Ges.45.(1927).No.2.pp.83-96.
Abst.in Expt Sta.Rec.Wash.61.No.5.p.424.

Lebedincev, E. and N.A.Maximow.

The Influence of Light relations on the development of root systems. (Trans. title). 566
Ber.deuts.bot.Ges.41.(1923).No.7.pp.292-7.
Abst.in Expt.Sta.Rec.Wash.61.No.5.p.424.

Lees, A.H.

Influence of Summer Rainfall and Previous Crop on Fruiting of Apples.
J.Pomology Hort.Sci.5.(1926).No.3.pp.178-94.

Meteorological Conditions and Pests and Diseases of Fruit.
Rept.Agric.Met.Conf.Lond.1928.pp.31-6.

Leiper, R.T.

The Influence of Meteorological Conditions on the Spread of Parasitic Worms.
Rept.Agric.Met.Conf.Lond.1928.pp.79-82.

Lenz, M. and H.B.Sprague.

The Effect of X-rays on Potato tubers for "seed". 572
Science 69.(1929).No.1797.p.606.
Abst.in Expt.Sta.Rec.Wash.61.No.7.p.628.

Lepkovsky, S., E.R.Schulz, K.P.Link and W.E.Tottingham.

Climatic Effects in the Metabolism of the Sugar Beet. 96
J.Agric.Res.33.(1926).No.1.pp.59-76.

Leppan, H.D.

Rainfall in relation to Agriculture in the Transvaal.
Bull.Univ.Coll.Transvaal.No.12.1927.
Rev.in Met.Mag.63.1928.pp.40-2.

Less, E.

The Dependence of the Yields of Crops on Rainfall and Temperature. (Trans. title).
Landw.Jahrb.64.(1926).2.pp.241-96.

The Relation between Weather and the Yield of Crops in Prussia. (Trans. title).
Z.Pflanzenern Dung.u.Boden.6.(1927).
II.pp.490-6.

Levine, M.N.

Biometrical studies on the variation of physiologic forms of Puccinia graminis tritici and the Effects of Ecological Factors on the susceptibility of Wheat varieties. 274
Phytopathology.18.(1928).No.1.pp.7-123.

No. of Summary or Extract.

Li, T.T.

Soil Temperature as influenced by Forest Cover. 209
Yale For.Sch.Bull.18., 1926.
Abst.in Expt.Sta.Rec.Wash.56.No.9.pp.837-8.

Lindberg, J. and A.Akerman.

Studies on the killing of Plants by Cold and their Resistance to Cold.(Trans. title). 433
(Lund.1927).
Abst.in Ann.Sci.Agron.46.(1929).No.2.pp.232-3.
Abst.and discussion in C.R.Acad.Agric.Fr.1st May 1929. pp.555-79.

Linford, L.B.

The Relation of Light to Soil Moisture Phenomena. 118
Soil Sci.22.(1926).pp.233-52.

Link,K.P.,W.E.Cottingham,S.Lepkovsky and T.R.Schulz.

Climatic Effects in the Metabolism of the Sugar Beet. 96
J.Agric.Res.33.(1926).No.1.pp.59-76.

Lobanov, N.V.

The Minimum Soil Moisture available to Plant Roots. (Trans. title). 143
J.landw.Wiss.Nauch.Agron.Zhur.2.(1925).No.4. pp.245-56.
Abst.in Expt.Sta.Rec.Wash.55.No.1.p.16.

Lohner, J. and L. Kynett.

Chemical Composition of Rains and Snows at Mount Vernon, Iowa.
Mon.Weath.Rev.Wash.57.(1929).No.11.p.461.

Lohnis, M.P.

The Relation between Weather Conditions and Potato Blight. (Trans. title). 49
Meded.Wetensch.Comm.voor Advies en Onderzoek in het Belang van de Volkswelvaart en Weerbaarheid.1925.
Abstract in Rev.App.Mycol.4.(1925).Pt.12..pp.761-3.

Löscching, J.

Frost protection measures in Viticulture(Trans.title).
Landw. 1928.No.12. p.499.

Love, H.H. and A.Atkinson.

A biometrical analysis of the Effect of Environment on a pure line of Oats. 577
J.Amer.Soc.Agron.20.(1928).No.12.pp.1251-91.
Abst.in Expt Sta Rec.Wash.61.No.3.p.222.

Lubimenko, V. and R.Karisnev.

Effect of Light on assimilation of organic reserves of the seed by young Plants. (Trans. title). 624
C.R.Acad.Sci.U.R.S.S. 1927. pp.381-6.
Abst.in Biol.Abst.4.(1930).No.2. p.355.

No. of Summary or Extract.

Ludewig, K. and H. Blunck.

The Effect of Weather on the Frit Fly. 45
Georgine. No.73. 12th Sept. 1925.
Abst.in Rev.Ent. 13a.(1925) Pt.11.p.575.

Ludwig, D.

The Effects of Temperature on the development of the Japanese Beetle (Popillia japonica, Newm.). 402
Physiol. Zool.1. (1928) No.3. pp.358-89.

Development of Cold Hardiness in the Larva of the Japanese Beetle (Popillia japonica) Newm.). 529
Ecology. 9. No.3. 1928. pp. 303-6.
Abst.in Rev.Appl.Ent. 17a. (1929) Pt.1. p.41.

Lundegardh, H.

Climate and Soil in relation to Plant Growth (Trans. title). 65
Jena: G. Fischer, 1925.

Lunn, A.G., G.W.Kable and F.E.Fox.

Electric Lights for increasing Egg production. 408
Bull.Oregon Agric.Expt.Sta. No.231. 1928.
Abst.in Expt.Sta.Rec. Wash. 59. No.7. p.665.

Lutz, F.E.

Wind and the direction of Insect Flight. 623
Amer.Mus.Nov. 291. pp.1-40.
Abst.in Biol.Abst. 4. (1930). No.3. p.955.

Lyons, H.G.

The Relation between Forests and Rainfall. 115
Trop.Agric.Trinidad 3. (1926) No.10. p.203.

Machkov, B.S.

The Photoperiodism of certain woody species. (Trans.title). 632
Bull.Appl.Bot.Gen.Pl.Breed. 23. No.2. pp.479-510. English summary.

Macht, D.I. and W.T.Anderson.

The penetration of Ultra-Violet rays into live animal tissue.
Brit.J.Actinother. 3. No.7. 123-8.

MacKay, A.H.

The Phenology of Nova Scotia, 1922.
Proc.N.S.Inst.Sci. 16 (1927) pp.54-64.

The Phenology of Nova Scotia, 1923.
Proc.N.S.Inst.Sci. 16. (1927) pp.1[illegible]4-14.

MacKinney, A.L.

Effects of Forest litter on Soil Temperature and soil freezing in autumn and winter. 557
Ecology. 10. (1929) No.3. pp.312-21.
Abst.Expt.Sta.Rec.Wash. 61. No.7. p.647.

No.of Summary or Extract.

Macmillan, H.G. and G.A.Meckstroth.

The Critical Temperature for Infection of Potato Seed-Piece by Fusarium Oxysporum. J.Agric.Res. 31. (1925)No.10. pp.917-21. 68

Maddox, W.J.

The Battle at the Timberline. Tycos 18. (1928) No.2. pp.50-1, 55. 251

Magee, H.E.

The Effect of Ultra-Violet Light on Animal Nutrition. Rep.Agric.Met.Conf.Lond. 1927. pp.73-7.

Influence of Variations in External Temperature on Energy Exchange of the Goat. J.Agric.Sci. 14. Pt. 4. pp.506-15.

Magee, H.E., J.Mc.A.Henderson and J.B.Orr.

Effect of Ultra-Violet Light on the Mineral Metabolism of the Lactating Animal. Bio-chem.J. 19. (1925) No.4. pp.569-72. 31

Magistad, O.C. and J.F.Breazeale.

Plant and Soil Relations at andbelow the wilting percentage. Tech.Bull.Ariz.Agric.Expt.Sta. 25. 1929. Abst. in Expt.Sta.Rec. Wash. 61. No.7. p.619. 559

Magistad, O.C. and E. Truog.

The Influence of Fertilisers in Protecting Maize against Freezing. J.Amer.Soc.Agron. 17. (1925) No.9. pp.517-26. 25

Magoon, C.A. and C.W.Culpepper.

The Relation of Seasonal Factors to Qualify in Sweet Corn (Maize). J.Agric.Res. 33. (1926) No.11. pp.1043-72. 149

Maidment, W.T.O.

Correlation between Rainfall and Cacao Yields in the Gold Coast. Bull.Dept. Agric.Gold Coast. No.13. (Year-book 1927). pp.83-4.

Manaresi, A.

Concerning the damage caused by winter cold to the buds of Cherry trees (Trans. title). Ital.agric. 66. (1929) No.7. pp.527-9.

The Spring Frost of 1929 and the Fruit Trees. (Trans. title). Ital.Agric. 66. (1929) pp.605-8.

Mancini, E.

Studies on the resistance to cold of wheats manured with Nitrates (Trans. title). Ital.agric. Feb. 1929.

No. of Summary or Extract.

Mann, C.E. and T.Wallace,

Rainfall and Spotting of the Foliage of the Apple. 156
J.Pomology Hort.Sci. 4. (1925) No.3-4.pp.146-61.

Marani, M., F. Dotti and L. Cirio.

Observations on Frost damage in the Province of Ravenna. (Trans. title).
Ital.Agric. 66. (1929) pp.144-56.

Marcel, M.

On the use of a Sward-forming Plant in connection with the observation of thermometers on grass. (Trans. title). 425
Met. Paris, 4. No.35. pp.60-1.

Marescalchi, A.

The Influence of Meteorological Factors in the development of Diseases and Insect Pests of the Vine (Trans. title).
Met.prat. Montecassino 10. (1929) pp.81-2.

Margary, I.D.

The Marsham Phenological Record in Norfolk, 1736-1925 and some others. 94
Quart.J.R.Met.Soc. 52. (1926) No.217.pp.27-52.

The Effects of Weather on Plant Life.
Quart.J.R.Met.Soc. 53. (1927) No.221. pp.83-6.

Margary, I.D. and J.E.Clark.

Floral Isophenes and Isakairs.
Quart.J.R.Met.Soc. 56 (1930). No.233.pp.45-57.

Marshall, R.

Influence of Precipitation Cycles on Forestry. 215
J.For. 25. (1927) No.4. 415-29.
Abst.in Expt.Sta.Rec. Wash. 57. No.1. p.46.

Martin, F.J.

Climate, Crops and Soils in British Tropical Colonies.
Rept.Conf.Emp.Met. 1929. (Agric.Sect.).
2. pp.42-56.
Minist.Agric.Lond.

Martini, E.

On Formulae for indicating the Effect of Temperature on Insect Development.
Z.angew. Ent. 11. No.2. pp.301-5.
Abst. in Rev.Appl.Ent. 15a. (1925) Pt.10. p.481.

On the Chain Line and Exponential Curve in general as examples of the Influence of Warmth on the Duration of Development of Insects (Trans.title). 424
A.agnew.Ent. 14. Pt.2. pp.273-84.

On Climate and Epidemics - from the Point of View of the Entomologist (Trans.title). 491
Anz.Schädlingsk. 5. No.4. pp.45-8.

No. of Summary or Extract.

Martiny, H.

Watering of Crops in Central Germany. (Trans. title). Arb.deuts.Landw.Ges.354.

Maselli, D. and B.Paoloni.

The Progress of Agricultural Meteorology in Terra di Lavoro in 1926. (Trans. title). Met.prat.Montecassino 8.(1927).pp.162-8.

Maslow, A.W.

The critical minimum Temperature of hibernating Mosquitoes. (Trans. title). Arch.Schiffs-u.Tropenhyg.34.No.3.pp.170-3. Abst.in Rev.Appl.Ent.18b.(1930).Pt.7. 607

Mason, S.C.

The Minimum Temperature for Growth of the Date Palm. J.Agric.Res.31.(1925).No.5.pp.401-14. 52

Partial Thermostasy of the Growth Centre of the Date Palm. J.Agric.Res.31.(1925).No.5.pp.415-53. 53

The Inhibitive Effect of Direct Sunlight on the Growth of the Date Palm. J.Agric.Res.31.(1925).No.5.pp.455-68. 54

Massey, R.E.

On the Relation of Soil Temperature to Angular Leaf-spot of Cotton. Ann.Bot.Oxford.61.(1927).No.163.pp.497-507. 202

Matha, C.

Frozen Rye. (Trans. title). Landw.Ztg.Bolzano 1928.No.16.p.194.

Mathewson, A.A. and D.M. De Long.

The Influence of Temperature and Humidity upon the development of the Houghton Gooseberry Aphis. J.Econ.Ent.18.(1925).No.1.pp.172-6.

Mattice, W.A.

The Weather Influence on Crop Production in regions of Scanty Rainfall. Mon.Weath.Rev.Wash.54.(1926).No.8.pp.335-41. 126

Weather and Hay in New York State. Mon.Weath.Rev.Wash.54.(1926).No.11.p.461. 147

The Relation of Spring Temperatures to Apple Yields. Mon.Weath.Rev. Wash.55.(1927).No.10.pp.456-9. 226

Mattice, W.A. and J.B.Kincer.

Statistical Correlations of Weather Influence on Crop Yields. Mon.Weath.Rev.Wash.56.(1928).No.2.pp.53-7.

No. of Summary or Extract.

McConkie, J.E. et.al

Relation of Temperature to Rate and Type of Fermentation and to Quality of Comercial Sauerkraut. J.Agric.Res.35.(1927).No.11.pp.1001138.

McCrea, A.

Effect of Ultra-Violet Light upon Digitalis Purpurea. Science 67.(1928).pp.277-8.

The effect upon Digitalis purpurea of Radiation through solarised Ultra-violet-transmitting glass. 571
Science 69.(1929).No.1798.pp.628-9.
Abst.in Expt.Sta.Rec.Wash.61.No.7.p.628.

McDonald, W.F.

Weather and Sugar Cane in Louisiana. 134
Mon.Weath.Rev.Wash.54.(1926).No.9.pp.367-9.

McGillivray, J. and R.E.Brooks.

Effect of "humidity" of the soil on the percentage of dry matter in Tomatoes. 445
J.Ass.Agric Chem.11.1928.No.3.

McKinney, H.H. and R.J.Davis.

Influence of Soil Temperature and Soil Moisture on Infection of Young Wheat plants by Ophiobolus Graminis. 69
J.Agric.Res.31.(1925).No.9.pp.827-40.

Meckstroth, G.A. and H.G.MacMillan.

The Critical Temperature for Infection of the Potato Seed-Piece by Fusarium Oxysporum. 68
J.Agric.Res.31.(1925).No.10.pp.917-21.

Mell, R.

Relation between Animal and Environment, exemplified in the Chinese serpents. (Trans. title).
Abst.in Sitz Ber.Ges.naturf.Fr.Berl.16.(1927).1-3.

Agricultural lands of Southern China and their utilisation. (Trans. title).
Z.Ges.Erdk.Berl.1927.pp.30-9.

Mengel, O.

The failure of anti-hail shooting attributed to its supposed responsibility for Drought. (Trans. title).
Met.Paris 5.1929.pp.56-9.

Menor, P.C.

The Effect of Climate on the Production of Corn (Maize). 224
Thesis.Coll.Agric.Univ.Philippines.Los Banos.1926.
Abst.in Philipp.Agric.16.(1927).No.2.pp.109-10.

No. of Summary or Extract.

Morcuri, S.

Low Temperature and the Life of Plants. (Trans. title).
Met. prat. Montecassino. 9. (1928) No.1.pp.17-20.

Low Temperature and Scab Infection of the Olive. (Trans. title). 423.
Lavoro d'Ital. Agric. 19th Aug. 1928.
Rev. in Met. prat. Montecassino. 9. (1928) No.4. pp.165-6.

Metzger, J.E. and H.B. Kemp.

Environmental Factors influencing Heat Production in Maryland.
Bull. Maryland Agric. Expt Sta. No.297. pp.125-73.

Mickel (Dr.).

The Importance of Artificial Rain (Trans. title). Conference on Artificial Rain.
Mitt. deut. Landw. Ges. 43. (1928) 21.

Middleton, A.D.

Cycles in the Numbers of British Voles. 531.
J. Ecology. 18. (1930) No.1. pp.156-65.

Miller, D.F.

Determining the effects of Change of Temperature upon the locomotor movements of Fly Larvae. 582.
J. Exp. Zool. 52. (1929) No.2. pp.293-313.
Abst. in Expt. Sta. Rec. Wash. 61. No.9. p.855.

Miller, J.C.

Effect of High Temperature on character of growth of Cabbage. 311.
Plant Physiol. 3. (1928) No.1. pp.95-6.
Abst. in Expt. Sta. Rec. Wash. 59. No.5. p.439.

Minio, M.

Phenological Observations in Italy, 1922-25. (Trans. title).
Nuovo Gior. bot. ital. (n.s.) 33. (1926) No.3. pp.627-31.

Mitamura, K. and K. Iguchi.

Influence of Ultra-Violet rays upon the milking cow. 447.
J. Fac. Agric. Hokkaido, 24. (1928) No.2.pp.39-60.

Mitchell, H.H. and W.T. Haines.

The Critical Temperature of the Chicken. 185.
J. Agric. Res. 34. (1927) No.6. pp.549-57.

Mitchell, J.A.

Precipitation and Forest Fires in Northern Minnesota. 157.
J. For. 24. (1926) No.5. pp.507-10.
Abst. in Expt. Sta. Rec. Wash. 55. No.6. p.539.

No. of Summary or Extract.

Mitchell, J.A. (Cont.).

Forest Fire Hazard as affected by Weather Conditions, etc. 101.
Res. Bull. Misc. Agric. Expt. Sta. No.91.

Mitchener, A.V.

Optimum Feeding Temperatures for the Dark-sided Cutworm. 277.
Sci. Agric. 8. (1928) No.6. pp.370-5.
Abst. in Rev. Appl. Ent. 16a. (1926) Pt.7.p.330.

Influence of Temperature on the Honey Flow. 606.
Amer. Bee J. 47. No.3. pp.120-1.
Abst. in Biol. Abst. 4. (1930) No.3. p.883.

Mix, A.J.

The Weather and Peach Leaf Curl in Eastern Kansas in 1924.
Phytopathology. 15. (1925) pp.244-5.

Miyoshi, M.

Effect of Low Temperature on duration of life of Cherry Blossoms. (Trans. title). 512.
Proc. Imp. Acad. Tokyo. 4. 9. pp.541-2.
Abst. in Biol. Abst. 3. (1929) No.9-11. p.1670.

Moe, A.

Dates of Flowering for Native and Garden Plants at Stavanger, 1897-1926. 438.
Math.-Nat. Sci. Classes, Norske Vidensk.-Akad. Oslo. 1. (1928) No.3.
Rev. in Quart. J.R. Met. Soc. 55. (1929) No.230. pp.213-4.

Phenological Data, 1927. (Trans. title).
Naturen, 1928. pp.311-6.

Moliboga, A.A.

Critical Moisture periods for Wheat and Barley. 282.
Bull. Appl. Bot. and Pl. Breed. 17. (1927) No.2. pp.183-202. English abstract on pp.201-2.
Abst. in Expt. Sta. Rec. Wash. 58. No.8. p.734.

Molozev, A.I.

The influence of Temperature and Light on the Date of Flowering (Trans. title). 599.
Bull. Appl. Bot. Gen. Pl. Breed. 22. 1929. pp.277-372. English summary.

Monchot, E.

The rôle of Meteorological stations in the forecasting of fungous diseases of the Vine (Trans. title).
Met. Paris. 5. n.s. (1929) pp.180-7.

Monteith, J. (Jr.).

Influence of Soil Temperature and Soil Moisture on Clubroot.
J. Agric. Res. 28. (1924) No.6. pp.549-62.

No. of Summary or Extract.

de Montessus de Ballore, R.

On the non-correlation in France between Rainfall and Harvest (Trans. title). Met. Paris. 2. n.s. 1926. pp.412-4.

Moore, B.

Forests and Precipitation. 619.
Science. 70. 1806. pp.141-2.
Abst. in Biol. Abst. 4. (1930) No.4. p.1019.

Moreau, F. and A. Dusseau.

Study of the resistance of Wheat to Cold. (Trans. title).
Rev. Bot. Appl. No.83. 1928.

Methods of study of the resistance of Wheat to Cold. (Trans. title).
J. Agric. prat. Paris. 50. No.40. pp.276-80.

Moreux, T.

On Solar Activity and certain phenomena of Vegetation.
C.R. Acad. Sci. Paris. 184. 1927. pp.1090-1.

Morita, H.T. and G.H. Godfrey.

Effects of some Environmental Factors on the Root-knot Nematode. 412.
Abst. in Phytopathology. 19. (1929) No.1.pp.83-4.

Morris, V.H. and F.A. Welton.

Wheat Yield and Rainfall in Ohio.
J. Amer. Soc. Agron. 16. (1924) No.11. pp.731-49.

Climate and the Clover Crop. 47.
J. Amer. Soc. Agron. 17. (1925) No.12. pp.790-800.

Morse, F.W.

Relation between Water and Potash in Plant Production. 235.
J. Agric. Res. 35. (1927) No.10. pp.939-46.

Mosneaga, W. and F. Todaro.

Effect of Drought on Maize (Trans. title).
Ital. Agric. 66. (1929) No.1.

Moss, A.E.

Forest Fires and Weather. 151.
J. For. 24. (1926) No.5. pp.555-8.
Abst. in Expt. Sta. Rec. Wash. 55. No.6. p.539.

No. of Summary or Extract.

Mottram, J.C.

The Effect of B. Radiation on Rous Chicken Tumour. 136
Lancet Lond. 211. (1926) p. 1266.

Mouravieff, V.P.

Interdependence of epidemics of Stinking Smut and Meteorological Factors. (Trans. title). 335
Mag. Seed Select. Direct. Sug.Trust. 3. (1928) 11. pp. 73-94.
Abst. in Rev. Appl. Mycol. 7. (1928) Pt. 12. pp. 773-4.

Müller, K.

Frost damage to Vines. (Trans. title).
Weinb. w. Kellerw. 1929. No. 4. p. 25.

Mumford, E.P.

The Effect of Climatic and Soil Conditions upon the Incidence of Cotton Stainers. 103
Empire Cotton Growing Corp. Lond. 1926. 79 pp.
Abst. in Rev. Appl. Ent. 14a. (1926) Pt. 9. pp. 461-2.

Munerati, O.

Nocturnal Artificial Illumination as a means of accelerating Plant Development. (Trans. title).
Rend, Acc. Lincei. 33. (1924) 1. pp. 402-5.
Abst. in Bot. Abst. 15. (1926) No. 4-5. p. 641.

Munger, T.T.

Rainfall Probability during the Forest Fire Season in Washington and Oregon.
Mon. Weath. Rev. Wash. 53. (1925) No. 9. pp. 394-5.

Munro, J.A.

A Study of the Weather Factors influencing the Yield of Honey during the main Nectar flow. 453
J. Econ. Ent. 22. (1929) No.3. pp. 518-21.

No. of Summary or Extract.

Münter, F.

Weather and Barley Yields. (Trans. title).
Landw. Wschr. Sachsen Anhalt. 18. pp. 336. ff.

Weather and Beet Yields. (Trans. title).
Landw. Wschr. Sachsen Anhalt. 23. pp. 428 ff.

Murai, U. and K. Aso.

An Experiment on the Promotion of Plant Growth by the Influence of Electric Light. 73
J. Sci. Agric. Soc. 254. pp. 31-6. 1924.
Abst. in Bot. Abst. 15. (1926) No.2. p.337.

Murray, J.M., M.E.Gooch, F.B.Ames and J. W. Gowen.

Rickets, Ultra-Violet Light and Milk. 146
Science 63. (1926) No. 1621. pp.97-8.

Musbach, F.L. and M.L.King.

The Weather as a Factor in Crop Production.
J. Amer. Soc. Agron. 16. (1924) No.6. pp. 381-3.
Abst. in Expt. Sta. Rec. Wash. 52. No. 2. p. 114.

Mussehl, F.E., Moscie Hill and J.A.Rosenbaum.

The Antirachitic Properties of Irradiated Feedstuffs.
Poult. Sci. 6. (1926) No.1. pp.25-30.

Naegler, W.

Effect of Weather on Crop Yields. (Trans. title).
Deut. Landw. Pr. 18th Feb. 1928.

Nakashima, H.

The Influence of Meteorological Factors on the increase in size of Trees.
J. Coll. Agric. Tohoku. 12. 1924. Pt. 2.

Influence of Meteorological Factors on the Growth of Trees. (Trans. title).
J. Fac. Agric., Hokkaido. 22. (1929). Pt. 2.

No. of Summary or Extract.

Nassar, A.A. and W.S.Gray.

The Temperature of cultivated soil at Giza. 444
Bull. Tech. Sci. Serv. Cairo. No.79. 1928.
Abst. in Expt.SSta. Rec. Wash. 60. No.9. pp. 802-3.

Necheles, H.

The Influence of Humidity on the Habits of Anopheles maculipennis. 204
Far East Assoc, Trop, Med. Trans. 6th Bien. Cong. Tokyo. 1925. 2. p.53.
Abst. in Rev. Appl. Ent. 15b. (1927) Pt. 8. p.139.

Observations on the Causes (Humidity and Air Temperature) of Night Activity in some Insects. 458
Chinese J. Physiol. 1. No.2. pp.143-56.
Abst. in Rev. Appl. Ent. 17a. (1929). Pt. 7. p. 411.

Nemec, A. and M. Gracanin.

The Influence of Light on the assimilation of K_2O and P_2O_5 in Neubauer experiments. (Trans. title). 638
Z. Pflanzenz. 16a. p.102.
Abst. in Ann. Sci. Agron. 47. (1930) No.3. p. 454.

Nesterov, H.I., H.D.Carpetchenko and A. V. Doroshenko.

Influence of the Length of Day on the tuber set in Potatoes and several other Plants. (Trans. title). 631
Bull. Appl. Bot. Gen. Pl. Breed. 23. No. 2. pp. 59-60.
English summary.

Neutstädt, W.

Agricultural-climatological characteristics of Anhalt as the rain protected district of the Hartz mountains. (Trans. title).
Kuhn-Archiv. 20. pp. 304-78.

Newell, J.M. and J.R. Arthur.

The Killing of Plant Tissue and the inactivation of Tobacco Mosaic Virus by Ultra-violet Radiation. 486
Amer. J. Bot. 16. No.5. pp.338-53.
Abst. in Rev.Appl.Mycol. 8. (1929) Pt. II. pp. 678-9.

No. of Summary or Extract.

Newhall, A.G.

Relation of Humidity and Ventilation to the Leaf Mould Disease of Tomatoes. 325
Bi-m. Bull. Ohio. Agric. Expt. Sta. 13. (1928) No.3. pp.119-22.

Newton, E.H.N., W.H.Snell and W.G.Hutchinson.

Temperature and Moisture relations of Fomes roseus and Trametes subrosea. 415
Mycologia. 20. 5. pp. 276-91.
Abst. in Rev. Appl. Mycol. 8. (1929). Pt. 3. p.147.

Ne ton, R. and W. R. Brown.

Seasonal Changes in the Composition of Winter Wheat Plants in relation to Frost Resistance. 113
J. Agric. Sci. 16. (1926) Pt.4. pp.522-38.

Nichols, J.E.

Meteorological Conditions and Fertility in Sheep. 32
5th Ann. Rep. Animal Breed. Res. Dept. Edinburgh University.

Meteorological Factors affecting Fertility in Sheep. 119
Z. induht. Abstamm. -u. Vererb. Lehre. Berl. 43. 3-4.

Nichols, L.H.

Report on Meteorological and Forest Fire hazard conditions in the Province of Quebec.
Forest Industries Ass. Ltd. Quebec. 1928.

Nicholson, H.H. and B. Pantin.

The Leaching out of autumnal dressings of nitrogenous Fertilisers. 435
J. Agric. Sci. 19. (1929) Pt.2. pp. 297-301.

Nicholson, J.W.

The Influence of Forests on Climate and Water Supply in Kenya. 495
Pamph. For. Dept. Kenya. No.2. 1929.
Abst. in Kew Bull. No. 9. 1929. pp. 303-4.

No. of Summary or Extract.

Nightingale, G.T.

Chemical composition of Plants in relation to variations in the Supply of Light. (Trans. title). Bull. Wisc. Agric. Expt. Sta. No.74. 1927.

Nisikado, Y.

Temperature Relations to the growth of graminicolous species of Helminthosporium: 1. Effect of Temperature on the vegetative and reproductive growth of Helminthosporium turcicum Passer and Helminthosporium maydis Nisikado et Miyake. (Trans, title). Ber. Ohara Inst. 3. No.3. pp. 349-77. Abst. in Biol. Abst. 3. (1929). No.4-6.p.451. 475

Nixon, R.L.

Weather Damage to Cotton. Bull. U.S. Dept. Agric. No. 1438. 1926.

Nixon, M.W. and D.L. Collins.

Responses to Light of the Bud Moth and Leaf Roller. Bull. N.Y. Agric. Expt. Sta. No. 583. Abst. in Rev. Appl. Ent. 18a. (1930). Pt. 9. p. 469. 635

Nizenkoff, N.P.

Relation between Yield and weather in field experiments under natural conditions. (Trans. title). J. Landw. Wiss. Moscow. 6. p. 717. Abst. in Z. Pflanzenern. Dung. u. Boden. 17. No. 3-4.

Noble, D.V.

Relative Humidity and the incidence of Forest Fires. Bull. Amer. Met. Soc. 7. (1926). No.5. pp. 74-7. Abst. in Expt. Sta. Rec. Wash. 55. No.8. p. 717. 170

Noguti, Y.

On the control of Flowering time of paddy Rice Plants by the action of Light. (Trans. title). J. Sci. Agric. Soc. 289. pp. 487-500. English Summary. Abst. in Biol. Abst. 4. (1930). No.2.p.356. 626

No. of Summary or Extract.

Novak, V.

Observations on certain bioclimatically important Temperatures. (Trans. title). Bull. Czechoslovak. Acad. Agric 4. (1928). No. 9. pp. 802-7. German abstract pp. 805-7. Abst. in Expt. Sta. Rec. Wash. 61. No.7. p. 613. 552

Obaton, F. and A. Davy de Virville.

Biological study of the Blooming of Flowers. (Trans. title). Rev. gen. Bot. 36. (1924). No.422. pp. 43-67. Abst. in Expt. Sta. Rec. Wash. 56. No. 4. p. 326. 197

Opitz, K.

The Temperature of Soil under Snow cover. (Trans. title). Fortschr. Landw. 4. (1929). No.8. p.225-7. Abst. in Ann. Sci. Agron. 46. (1929). No.6. 586

Orlova-Borrissova, E.I. and A.N. Buchheim.

Influence of Weather Conditions on perithecial development in Powdery Mildews. (Trans. title). (German Summary). Morbi Plantarum 17. No.1-2. pp. 26-31. Abst. in Rev. Appl. Mycol. 18. (1929). No. 11. pp. 734-5. 490

Orr, J.B., J.M. Henderson and A. Crichton.

The Influence on Nutrition of Sunlight and Artificially Produced Ultra-Violet Rays. Trans. Highl. Agric. Soc. Scot. 38. (1926). pp. 88-105. 132

Orr, J.B., H.E. Magee and J.Mc.A.Henderson.

Effect of Ultra-Violet Light on the Mineral metabolism of the Lactating Animal. Bio-chem. J. 19. (1925). No. 4. pp. 569-72. 31

Oskamp, J.

Soil Moisture and Tree Growth Relationship. Proc. Amer. Soc. Hort. Sci. 25. (1926). Ap. 269-77. Abst. in Expt. Sta. Rec. Wash. 58. No. 3. p. 234. 242

No. of Summary or Extract.

Otryganev, A.V.

Influence of Soil Moisture on the Yield and Composition of Tobacco. (Trans. title).
Rep. Inst. Exp. Tob. Growing. 22. (1924) pp. 1-32.
Abstract in Bot. Abst. 15. (1926) No.1. p. 19.

Page, H. J. and G. V. Jacks.

The Effects of Temperature and Humidity on the Changes in Weight of Crops in Storage.
Rep. Agric. Met. Conf. Lond. 1927. pp. 15-8.

Panganiban, E.H.

Temperature as a factor in Nitrogen Changes in the Soil.
J. Amer. Soc. Agron. 17. (1925) No. 1. pp. 1-31.

Pantin, B. and H. H. Nicholson.

The Leaching out of autumnal dressings of nitrogenous Fertilisers. 435
J. Agric. Sci. 19. (1929) Pt. 2. pp. 297-301.

Paoloni, B.

Agricultural Meteorology in Italy. (Trans. title).
Met. Prat. Montecassino. (1925) No.3. pp. 93-107.

Paolini B. and D. Maselli.

The Progress of Agricultural Meteorology in Terra di Lavoro in 1926. (Trans. title).
Met. prat. Montecassino. 8. (1927) pp. 162-8.

Park, O.W.

The Influence of Humidity upon sugar concentration in the Nectar of various plants. 446
J. Econ. Ent. 22. (1929) No. 3. pp. 534-44.

Parkhurst, R.T.

Artificial Illumination to increase Winter Egg Production.
J. Minist. Agric. 36. (1930) No. 10. pp. 960-6.

No. of Summary or Extract.

Parmele, H.B. et. al.

Relation of Temperature to Rate and Type of Fermentation and to Quality of Commercial Sauerkraut. J. Agric. Res. 35. (1927) No. 11. pp. 1021-38.

Pasternatskaya, V.F.

Phytophenological Observations about Odessa, 1916-26. (Trans. title). C. R. Acad. Sci. U.R.S.S. 12. No.3. pp. 267-74. German summary.

Patten, R.E.P. and S.B.Wigoder.

The Effect of X-rays on Seeds. 427
Nature, Lond. 123. 20th Apr. 1929. p. 606.

Patton, J.W.

Ultra-violet Radiation as a Therapeutic Agent in Veterinary Medicine. J. Amer. Vet. Med. Ass. 69. 22. (1926) No. 6. pp. 734-58.

Patton, P.

Relationship of Weather to Crops in the Plains Region of Montana. 409
Bull. Montana Agric. Expt. Sta. No.206 1927.
Abst. in Expt. Sta. Rec. Wash. 60. No. 1. pp. 16-7.

Payne, Latshaw and Hughes.

The Influence of Ultra-Violet Light on Leg Weakness and on Egg Production. 57
Poult. Sci. 4. (1925) No. 4. p. 151.
Abst. in Scot. J. Agric. 9. (1926) No. 1. p. 106.

Payne, N.M.

The Effect of Environmental Temperatures upon Insect Freezing Points. 104
Ecology. 7. (1926) No.1. pp. 99-104.
Abst. in Expt. Sta. Rec. Wash. 54. No. 6. p. 551.

Two Factors of Heat Energy involved in Insect Cold Hardiness. 206
Ecology. 8. No.2. pp. 194-6.
Abst. in Rev. Appl. Ent. 15a. (1927) Pt. 9. p. 457.

No. of Summary or Extract.

Payne, N.M. (Continued).

Measures of Insect Cold Hardiness. 207
Biol. Bull. Wood's Holl. 52. No.6. pp. 449-87.
Abst. in Rev. Appl. Ent. 15a. (1927) Pt. 9. pp. 457-8.

Freezing and Survival of Insects at Low Temperatures. 193
J. Morph. 63. No.2. pp. 521-46.

Cold Hardiness in the Japanese Beetle (Popillia japonica Newm.). 330
Biol. Bull. Wood's Holl. 55. No.3. (1928) No.3. pp. 163-79.

Absolute Humidity as a Factor in Insect Cold Hardiness with a Note on the Effect of Nutrition on Cold Hardiness. 526
Ann. Ent. Soc. Amer. 22. No.4. pp. 601-20.
Abst. in Rev. Appl. Ent. 18a. (1930) Pt. 4. pp. 166-7.

Peacock, W.M. and R.C.Wright.

Low Temperature Injury to Potatoes when stored shortly after Harvest. 247
Proc. 13th Ann. Meet. Pot. Ass. Amer. (1927) pp. 99-101.
Abst. in Rev. Appl. Mycol. 7. (1928) Pt. 4. p. 264.

Pearis, L.H.

Some Phases of the relation of Temperature to the Development of Insects. 278 ~~279~~
Bull. W. Virginia Agric. Expt. Sta. 208. 1927.
Abst. in Expt. Sta. Rec. Wash. 58. No. 8. pp. 753-4.

Pearson, G.A.

Temperature Summations with reference to Plant Life.
Mon. Weath. Rev. Wash. 52. (1924) No. 4. pp. 218-20.

Studies of Climate and Soil in relation to Forest Management in the South-Western United States.
J. Ecology. 18. (1930) No.1, pp. 139-44.

Light and Soil Moisture in Forestry. 616
Ecology. II. (1930) No.1. pp. 145-60.
Abst. in Expt. Sta. Rec. Wash. 62. No. 6. p. 530.

No. of Summary or Extract.

Peltier, G.L. and W.J.Frederich.

Relation of Environmental Factors to Citrus Scab. 12
J. Agric. Res. 28. No.3. 1924.
pp. 241-54.
Abst. in Expt. Sta. Rec. Wash. 52.
No. 1. p. 54.

Effects of Weather on the World Distribution and Prevalence of Citrus Canker and Citrus Scab. 89
J. Agric. Res. 32. (1926) No.2. pp.147-64.

Pessin, L.J. and C.C.Putt.

The Effect of Evaporation and Light on the Distribution of Lichens on a Tree.
Bull. Torrey Club. No. 51. 1924.
203-10.
Abstract in Bot. Abst. 14. (1925) No.2.
p. 185.

Peterson, A. and G. J. Haeussler.

Response of the Oriental Peach Moth and Codling Moth to Coloured Lights. 334
Ann. Ent. Soc. Amer. 21. (1928) No.3.
pp. 353-75.
Abst. in Rev. Appl. Ent. 17a. (1929)
Pt. I. p. 42.

Peterson, W. H. et. al.

Relation of Temperature to Rate and Type of Fermentation and to Quality of Commercial Sauerkraut.
J. Agric. Res. 35. (1927) No.11.
pp. 1021-38.

Pethybridge, G.H.

The Importance of Environmental Factors in the production of Disease in Plants. 192
Trans. Brit. Mycol. Soc. 12. (1927)
Pt. II and III. p 95-6.

Petit, A.

Influence of the Incorporation of Manure on Soil Temperature. (Trans. title). 3
J. Agric. prat. Paris. n.s. 40. 1925.
No. 46. pp. 389-390. No.47. pp. 416-8.
Abst. in Expt. Sta. Rec. Wash. 51. No.4.
p. 325.

Peto, R. H. K. and H. Greene.

Water Loss at Wad Medani, Part I. 484
J. Agric. Sci. 19. (1929) Pt.4.
pp. 715-26.

No. of Summary or Extract.

Petri, L.

Application of Ultra-Violet Light in Phytopathology. (Trans. title). Boll. R. Staz. Pat. Veg. 6. 4 pp. 345-8.

Ionisation of the Air and the Growth of Plants. Critical review. (Trans. title). Ann. Tec. Agr.

Changes produced by late frosts in culms of cereals. (Trans. title). Boll. R. Staz. Patol. Veg. 7. 2, pp. 194-202.

Potrie, A.K.H.

The influence of Temperature on the unequal absorption of the salt ions by Plants. Aust. J. Exp. Biol. Med. Sci. 4. p. 169.

Petrov, A.F.

The Effect of the Time of Sowing on the Control of the Hessian Fly in the Kursk Government according to observations in 1924 and 1925. (Trans. title). Def. Pl. 4. (1927) Nl. 4-5. pp. 798-800. 293

Phillips, E.F.

Some effects of Temperature on Bee activities. Rep. Iowa Apiarist. 1927. pp. 43-6. Abst. in Biol. Abst. 4. (1930). No.3. p. 883. 605

Phillips, H.A.

Effect of Climatic Conditions on the Blooming and Ripening Dates of Fruit Trees. Mem. Cornell. Agric. Expt. Sta. 59. 1923. pp. 1379-416. Abst. in Bot. Abst. 15. (1926) No.4-5, p. 563. 93

Phillips, J.

Rainfall interception by plants. Nature. Lond. 118. 11th Dec. 1926. pp. 887-8. Nature. Lond. 10th Mar. 1928. pp. 354-5. 154

Influence of Forest Formation upon Soil Moisture. Nature. Lond. 122. 14th Jul. 1928. pp. 53-4.

No. of Summary or Extract.

Pieper

On the Influence of Weather on tuber formation and tuber weight of Potatoes. (Trans. title). Pflanzenbau 2. p. 309.

Pisnyachevskii, A.A.

The Injury to Winter Cereal Crops in relation to the Time of Sowing in the Nizhnii-Novgorod Government in 1923-26. (Trans. title). Def. Pl. 4 (1927). No.4-5. pp. 636-655. Abst. in Rev. Appl. Ent. 16a. (1928). pt. 7. pp. 366-7. 275

Pitman, G.W.

Weather and Potatoes in Wyoming. Bull. Amer. Met. Soc. 7. (1926). No.1. p. 14. Abst. in Expt. Sta. Rec. Wash. 55. No.1. pp. 15-16. 141

Pittman, D.W.

Tank Experiments on Soil Moisture. Bull. Utah. Agric. Expt. Sta. No. 192. (1925). p. 25. Abst. in Expt. Sta. Rec. Wash. 52 No. 8. p. 719. 35

Plummer, F.E.

A preliminary Investigation into the variability of the Rainfall of the Transvaal. Bull. Univ. Coll. Transvaal. No. 12. 1927. Rev. in Met. Mag. 63. 1928. pp. 40-2.

Poletika, W.P. von

Climate and Agriculture in Russia. (Trans. title). Ber. Ld.-u.-Forstw. Ausl. 9. (1929). pp. 478-528. 654

Agro-climatic conditions in Russia. (Trans. title). Kulturtechniker 31. 6. pp. 507-19. Abst. in Mon. Weath. Rev. Wash. 57 (19 No. 6. p. 251. 504

Ponzio, M.

Experiments in selective irradiation on Plant tumours. (Trans. title). Giorn. Acc. Med. Torino 5. (1928). 6. pp. 342-4. Abst. in Rev. Appl. Mycol. 7. (1928). Pt. 8. p. 497. 295

No. of Summary or Extract.

Poole, H.H. and W.R.G.Atkins.

Illumination in relation to Plant Distribution. Part 1. 229
Sci. Proc. R. Dublin Soc. n.s. 18. (1926) No.25. pp. 277-98.
Abst. in Expt. Sta. Rec. Wash. 57. No. 5. pp. 417-8.

Photo-electric measurements of Illumination in relation to Plant Distribution. Part II.
Sci. Proc. R. Dublin Soc. n.s. 19. No. 24.

Poole, R.F.

The Relation of Soil Moisture to the Pox Disease of Sweet Potatoes. 15
Abst. in Phytopathology. 15. (1925) No. 1. p. 48.

Popoff, I.S.

Influence of Cold on Productivity of Milch Cows. (Trans. title). 500
Z. Tierzücht. u. Zücht. Biol. 10. 2. pp. 285-91.
Abst. in Biol. Abst. 3. (1929) No.70 No. 7-8. p. 1417.

Popp, H.W.

A Physiological Study of the Effect of Light of various ranges of wave-lengths on the Growth of Plants. 245
Amer. J. Bot. 13. (1926) No.10. pp. 706-36.
Abst. in Expt. Sta. Rec. Wash. 58. No.2. p. 124.

Effect of Light Intensity on growth of Soy Beans and its relation to the autocatalyst theory of growth. 569
Bot. Gas. 82. (1926) No.3. pp.306-19.
Abst. in Expt. Sta. Rec. Wash. 61. No. 4. p. 324.

Pospelov, V.P.

The Influence of Temperature on the Maturation and General Health of Locusta Migratoria L. 67
Bull. Ent. Res. 16. (1926) Pt.4. pp.363-7.

Priestley, J.H.

Light and Growth I. The Effect of brief Light Exposure upon etiolated Plants. 128
New Phytol. 24. (1925) No. 5. pp. 271-83.

Light and Growth II. On the Anatomy of etiolated plants. 129
New Phytol. 25. (1926) No.3. pp. 145-70.

No. of Summary or Extract.

Priestley, J.H. (Continued).

Light and Growth III. An Interpretation of Phototropic Growth Curvatures. 130
New Phytol. 25. (1926). No.4. pp. 213-26.

Light and Growth IV. An Examination of the Phototropic Mechanism concerned in the Curvature of the Coleoptiles of the Gramineae. 131
New Phytol. 25. (1926). No.4. pp. 227-47.

Puri, A.N.

A Critical Study of the Hygroscopic Coefficient of Soil. 24
J. Agric. Sci. 15. (1925). Pt.3. pp.272-83.

Puri, A.N., E.M. Crowther and B.A. Keen.

The Relation between Vapour Pressure and Water Content of Soils.
J. Agric. Sci. 15. (1925). Pt. 1. p. 68.

Putt, C.C. and L.J. Pessin.

The Effect of Evaporation and Light on the Distribution of Lichens on a Tree.
Bull. Torrey Club. No.51. (1924). 203-10.
Abst. in Bot. Abst. 14. (1925). No. 2. p. 185.

Ramsey, G.B. and A.A. Bailey.

Effect of Ultra-violet radiation upon sporulation in Macrosporium and Fusarium. 545
Bot. Gaz. 89.2. pp. 113-36.
Abst. in Phytopathology. 20. (1930). No.1. p. 141.

Rasumov, V.I.

The Photoperiodical after effect in connection with the influence on Crops of the different time of sowing. (Trans. title). 630
Bull. Appl. Bot. Gen. Pl. Breed. 23. No. 2. pp. 107-9.
English summary.

Rasumov, V.I. and A.V. Doroshenko.

Photoperiodism of some cultivated forms in relation to their geographical origin. 629
(Trans title).
Bull. Appl. Bot. Gen. Pl. Breed. 22. pp. 219-76. English Summary.

No. of Summary or Extract.

Rawitscher, F.

The Native Flora in its relation to Geology, Climate and Soil. (Trans. title). 297
Freiburg. 1927.
Abst. in Nature. Lond. 122.
7th Jul. 1928. p. 9.

Raymond, M.G.

Note on the lateness of Vegetation on the Côte d'Azur during the year 1926, followed by remarks on the action of Light according to the Climate.
Met. Paris. 3. 1927. pp. 246-50.

Raynauld, R.

Influence of Rainfall on the percentage of husk in Oats. 523
(Trans. title).
Sci. Agric. 10. (1930). No. 8.
pp. 543-6.

Reboul, G.

The Applications of Meteorology to Agriculture and Travel. (Trans. title). 140
Bull. Soc. End. Ind. Nat. 124. (1925)
No. 7. pp. 577-94.
Abst. in Expt. Sta. Rec. Wash. 55.
No. 1. p. 15.

Reed, C.D.

Weather and Corn (Maize) maturity in Iowa.
Mon. Weath. Rev. Wash. 55. (1927)
No. 11. pp. 485-8.

Reid, W.H.E.

The Deleterious Effect of Freezing on Several of the Physical Properties of Milk.
Bull. Missouri Agric. Expt. Sta.
No. 100. (1927).

Reinhold, J. and F. Schulz.

Ultra-Violet Light and Plant Production. 592
Gartenbauwiss. 2. (1929). No. 1.
pp. 40-78.
Abst. in Expt. Sta. Rec. Wash. 61.
No. 9. p. 834.

No. of Summary or Extract.

Reuter, M.

Phenological Observations in Finland 1924, 1925 and 1926. (Trans. title) Bidr. Finl. Nat. Folk. 80. (1928) No. 9. 306

Rey, P.

Agricultural Meteorology: Methods of Observation recommended to Agricultural Research Stations. (Trans. title). Ann. Sci. Agron. Jan. - Feb. 1927.

Richards, L.A.

The usefulness of Capillary Potential to Soil Moisture and Plant investigators. J. Agric. Res. 37. No.12. pp. 719-42. 612

Richardson, [illegible].V.

Wheat and its Cultivation. J. Dept. Agric. Vict. 23. 1925. pp. 158-71.

Richter, K.

The influence on Arctic Plant Life of the power of the Sun's Rays to penetrate snow (Trans. title). Naturwissenschaften 1926. 14. p.501.

Riker, A.J.

The Influence of Environment on the Development of Crown Gall. J. Agric. Res. 32. (1926) No.1. pp. 83-96. 88

Studies on the influence of Environment on infection by certain bacterial Plant Parasites. Abst. in Phytopathology. 19. (1929) No. 1. p. 96. 411

Ritson, R., [illegible] Delf and A. Westbrook.

The Effect on Plants of radiation from a quartz mercury - vapour lamp. Brit. J. Exp. Biol. 5. 2. pp. 138-54. Abst. in Biol. Abst. 3. (1929) No. 9-11. p. 1669. 528

No. of Summary or Extract.

Rivier, A.

Influence of Water (Rain and Irrigation) on Wheat and Oats before and after Flowering. (Trans. title). 618
Ann. Sci. Agron. 1926. pp. 303-13.

Rivera, W.

Wheat Smut and X-Rays. (Trans. title).
Boll. R. Staz. Pat. Veg. 6. 3. pp. 237-41.

Action of strong Gamma Rays on Bact. tumefaciens. (Trans. title).
Rend. Acc. Lincei. 7. 10. pp.867-9.

Effects of X-Rays on Normal and Diseased Vegetable Tissues. (Trans. title).
Ann. Inst. Pasteur. 40. (1926) No.7. pp. 644-58.

Effect of X-Rays on Crown Gall. (Trans. title). 110
Riv. Biol. 8. (1925) I. pp. 1-15.
Abst. in Rev. Appl. Mycol. 5. (1926) Pt. 9. p. 539.

Effect of Irradiation on Crown Gall. (Trans. title).
Riv. Biol. 9. (1927) I. pp. 62-9.

Rjasanzewa, S.A.

Meteorological Conditions of Growth of Winter Cereals with reference to the micro-climate. (Trans. title). 652
J. Geophys. Met. Leningrad. 5. pp. 221-32. German summary on p. 233.

Roach, B.L.Bristol.

On the Influence of Light and of Glucose on the Growth of a Soil Alga.
Ann. Bot. 62. (1928) No. 166. pp. 317-45.

Roberts, R.A.

Correlation of Yield in Oats with Meteorological Observations at the University College Farm. Bangor, 1903-1026. 270
J. Agric. Sci. 18. (1928) Pt. 2. pp. 297-316.

No. of Summary or Extract.

Robertson, C.L.

Climatic Conditions and Cotton Growing in Southern Rhodesia. 27
Rhod.Agric.J. 22. (1925) No.7.pp.745-8.

Robertson, D.W. and A. Keser.

The Critical Period of Applying Irrigation Water to Wheat. 168
J. Amer. Soc. Agron. 19. (1927) No. 2. pp. 80-116.

Robinson, E. Kay.

The Unusual Order of Flowering of the Hazel in 1924 (Summary).
Quart. J. R. Met. Soc. 50. (1924) p. 323.

Robinson, G.W.

Lysimeter Studies at Aber near Bangor.
Rep.Agric.Met. Conf. 1928. pp. 47-9.

Robinson, W.

Response and adaptation of Insects to external stimuli (Temperature and Moisture). 452
Ann. Ent. Soc. Amer. 21. (1928) No.3. pp. 407-17.
Abst. in Expt.Sta. Rec. Wash. 60. (1929) No. 9. p. 839.

Low Temperature and Moisture as Factors in the ecology of the Rice Weevil, Sitophilus oryza L. and the Granary Weevil Sitophilus granarius L. 538
Tech. Bull. Minn. Agric. Expt. Sta. No. 41.
Abst. in Expt. Sta. Rec. Wash. 57. No. 4. p. 363.

Determination of the natural Under-cooling and Freezing Points in Insects. 604
J. Agric. Res. 37. No.12. pp. 749-55.

Rode, P.

Influence of Ultra-Violet Radiations on the Bacillus Typhi Murium (Virus Danysz). (Trans. title).
Ann. Epiphyties 14. (1928) No.3. pp.311-26.

Roebuck, A.

The Value of Phenological Observations in Practical Agriculture.
Rep. Agric. Met. Conf. (1926) pp. 31-5.

No. of Summary or Extract.

Roeser, J. (Jr.) and C. G. Bates.

Relative Resistance of Tree Seedlings to Excessive Heat. 59
Bull. U. S. Dept. Agric. No. 1263. (1924) pp. 1-16.
Abst. in Bot. Abst. 15. (1926) No.1. p. 78.

Light intensities required for Growth of Coniferous Seedlings. 627
Amer. J. Bot. 15. No.3. pp. 185-94.

Rolet, A.

Frost and Plants. (Trans. title).
Nature, Paris. 58. 1. pp. 177-9.

Roll, F.

The Heat conductivity of Sand. (Trans. title).
Z. Pfl Ernähr. Düng. u. Boden. 12. (1928) 3.

Root, C.J.

Weather elements affecting the 1924 Winter Wheat crop in Illinois.
Mon. Weath. Rev. Wash. 52. No. 10. p. 499.

Rose, D.H.

Relation of Strawberry Fruit Rots to Weather Conditions in the field. 107
Phytopathology. 16. (1926) No.3. pp. 229-32.
Abst. in Rev. Appl. Mycol. 5. (1926) Pt. 9. p. 565.

Rosenbaum, J.A., F.E.Mussehl and Moscie Hill.

The Anitrachitic Properties of Irradiated Feedstuffs.
Poult. Sci. 6. (1926) No.1. pp. 25-30.

Rossi, E.

The movement of water in the soil (Trans. title).
Ann. Tec. Agr. 4. 1st April, 1929.

Rubinstein, E.

The Annual course of Air Temperature and the Vegetation Period. (Trans. title).
Met. Z. 44. (1927) pp. 13-8.

No. of Summary or Extract.

Rudolfs, W.

Relation between Temperature, Humidity and Activity of House Mosquitoes. 56
J.N.Y. Ent. Soc. 33 (1925) No.3. pp.163-9.
Abst. in Rev. Appl. Ent. 13. (1925). Pt.12 p.185.

Ruhle, K.

The Plant Formations of South America in their Climatic Relationship. (Trans. title).
Petermann's Litt., 74 (1928) pp.29-34 & 95-100.

Russel, J.C. and A. Anderson and T.A. Kiesselbach

The Significance of Subsoil Moisture in Alfalfa production. 493
J. Amer. Soc. Agron. 21. (1929) No.3. pp.241-68.

Russel, J.C. and H.E. Weakley.

The movement of Soil Moisture in the Vapour Phase. 23
J. Amer. Soc. Agron. 17. (1925). No.10. pp.642-3.

Russell, E.J.

Report on the Influence of Soil, Season and Manuring on the Quality and Growth of Barley, 1926. 250
J. Inst. Brdw. Lond. 34 No.6. pp. 307-20

Ruzicka, J.

Long period variations in Air Temperature and their Influence on Agricultural Vegetation. (Trans. title).
Mitt. Tschecheslow. Akad. Landw. 3. (1927) 1061-7.

St. George, R.A.

Weather, a factor in outbreaks of the Hickory Bark Beetle. 450
J. Econ. Ent. 22. (1929) No.3. pp.573-80

Sakharov, N.

On the Resistance of Insects to Cold. 416
J. Exp. Agron. S.E. Russia. Saraton 6. (1928) No.2. Summary in German.
Abst. in Rev. Appl. Ent. 17a (1929) Pt.2. p.126.

No. of Summary or Extract.

Salisbury, E.J.

The Geographical Distribution of Plants in relation to Climatic Factors.
Geog. J. 67. (1926) No.4. pp. 312-42.
Note in Nature Lond. 117 3rd Apr. 1926. p.497.

Climate and Plant Distribution. 81
Nature Lond. 117. 3rd Apr. 1926. p.497.

Salmon, S.C. and D.J. Hill.

The Resistance of Certain Varieties of Winter Wheat to Artificially Produced Low Temperatures.
J. Agric. Res. 35. (1927) No.10. pp.933-7

Salmon, S.C. and J.P.F. Sellschop.

The Influence of Chilling, above the Freezing Point, on certain Crop Plants. 327
J. Agric. Res. 37 (1928) No.6. pp.315-38

Salter, R.M.

Climatic Agencies in their relation to Soil Colloids.
J. Amer. Soc. Agron. 17 (1925) No.5. pp.294-307.

Samuelsson, C.

Studies on the action of Winds in cold and temperature regions. (Trans. title).
Bull. Geol. Instn. Univ. Upsala. 20, 1926. pp.58.230.

Sanders, H.G.

The variations in Milk Yields caused by Season of the Year ..... and their Elimination.
J. Agric. Sci. 17 (1927). Pt. 3. pp.309-79

Sanson, J.

Weather Forecasting in Agriculture (Trans. title).
Encyclopedie Agricole Paris. 1925.

Principles of Practical Weather Forecasting.
Vie agric. rur. 26. (1925) No.22.
Abst. in Scot. J. Agric. 9. (1926) No.4. pp. 436-7.

Meteorological Influences of April, May and June on the Yield of Cereals in Central France (Trans. title). 649
C.R. Acad. Agric. Fr. 12. (1926) No.39. pp. 1054-8

No. of Summary or Extract.

Sanson, J. (Contd.).

Meteorology and Agriculture in 1926. (Trans. title). Met. Paris 3. n.s. (1927). No.2. pp.54-62.

The Practical Applications of Meteorology to Agriculture (Trans. title). Grande Rev. Agric. Mar. 1928. pp.519-32.

The utility of Meteorology in Agriculture (Trans. title). Met. Paris. 4 (1928) pp.65-7

The Influences of the Summer of 1927 on Harvests (Trans. title). Met. Paris. 4 (1928) pp.69-70

The Effect of the Frosts of December, 1927 on Cereals in France. (Trans. title). Grande Rev. agric. August 1928. pp. 1061-5 300

The Drought of the Summer of 1928 and its repercussions on the principal Crops. (Trans. title). Bull. agric. Paris. 48. Nov., 1928. pp. 27-9. Met. Paris 5 n.s. (1929). pp. 34-46.

The practical applications of climatology in Agriculture. (Trans. title). Met. Paris 5. n.s. (1929) pp. 187-98.

Relation between the meteorological character of the Seasons and the Yield of the Wheat harvests in Seine-et-Oise. (Trans. title). C.R. Acad. Agric. Fr. 15. (1929) No.26. pp. 918-23.

Meteorology and the forecasting of Crop Yields (Trans. title). J. Agric. prat. Paris 8th Mar. 1930. pp.192-4; 15th Mar. 1930. pp.217-8.

Sanson J. and Klein, P.

Physique et Meteorologie Agricole. Libraire Agricole Paris, 1925. 464 pp.

Sar aris, G.B.

Low Temperature Injury to Stored Sugar Cane. J. Agric. Res. 38, (1929). No.4. pp.195-203. 422

No. of Summary or Extract.

Sasaki, T.

On the Relation of Temperature to the longitudinal Growth of leaves of the Rice Plant (Transl.title). Proc. Crop Sci. Soc. Japan 1. pp. 23-42. English Summary. Abst. in Biol. Abst. 4 (1930). No.2.p.356. 598.

Savastano, G. and H.S. Fawcett.

A study of Decay in Citrus Fruits produced by Inoculations with known Mixtures of Fungi at Different Constant Temperatures. J.Agric.Res. 39 (1929) No.3.pp. 163-98. Abst. in Expt. Sta.Rec. Wash. 61.No.3.p.747. 503.

Savoly, F.

The principal correlations between Hungarian Agriculture and Climate and Weather (Trans.title). Időjárás. 2. 1926. pp. 189-91.

Scaramuzzi, D.

A contribution to the study of Frost damage (Trans. title). Ital. Agric. 66 (1929). pp. 261-77.

Schapringer, I.J.

Climate and Sugar Beet. Brit. Beet Grower 1. (1927) No. 1. pp. 4-5.

Scharrer, K.

Iodine Content of the Air and Rain (Trans.title) Chemie u. Biochemie des Jods. Ferdinand Enke, Stuttgart, 1928. 426

Scheinert, R.

The Dependence of Yields on Weather Factors (Trans. title). Kühn-Archiv. 20 pp. 143-222. 535

Calculation by "Rangordnungen", a Method of establishing the dependence of Yields of Crops on Weather Factors (Trans. title). Pflanzenbau 5. pp. 236-9.

No. of Summary or Extract.

Schellenberg, A.

The Spring and Winter Frost damage in the Zurich Vineyards in the years 1926-1929 (Trans. title).
Landw. Jahrb. Schweiz. (1930).
pp. 83-124.

Schenkin D. and F.S. Bodenheimer.

The dependence of Insects upon Temperature. I. The critical Temperature of some Insects (Trans.title).
Z. vergl. Physiol. 8. (1928).

Schmaus, A.

Meteorology and Agriculture (Trans.title).
Landw. (1925). 7.

Schmidt, P.J.

Phenological Observations and Results in Russia. 61
Nature. Lond. 117. 23rd Jan. 1926.
pp. 119-20.

Schmidt, W.

Meteorological Field Experiments on means of Protection against Frost (Trans.title).
Jahrb. Zent Anst. Met. Wien. 1927.
Suppl. Pub. No. 135.

First Agricultural Meteorological Conference organised by the Austrian Meteorological Society in February, 1930. (Trans. title).
Osterreichische Gesellschaft fur Meteorologie. Vienna.

Schnauer, W.

Investigationson the Areas of Injury by some agricultural Pests in Germany and the Environmental Factors concerned, based on Statistics (Trans. title). 529
Z. Angew. Ent. 15. No. 3. pp. 565-627.
Abst. in Rev. Appl. Ent. 18a. (1930).
Pt. 4. p. 186.

Schrider, A.

The Influence of Climatic Conditions on Agricultural Management in Germany.
(Trans. title).
Landw. Hefte (1926). 1.

No. of Summary or Extract.

Schroeder (Dr.).

Water Legislation and Improvement Work with special reference to Artificial Rain (Trans. title).
Mitt. deut. Landw. Ges. 62. (1927). No. 21. pp. 568-73.

Schultz, O.

Irradiation of Milk (Trans. title). 248
Milchw. Forsch. 4. pp. 37-40.

Schultze, H.

The fluctuations of Barometric "Highs" over Central Europe and their influence on the Harvests in Germany (Trans. title).
Kühn-Archiv. 20. pp. 7-139.

Schulz, E.R., K.P. Link, W.E. Tottingham and S. Lepkovsky.

Climatic Effects in the Metabolism of the Sugar Beet. 96
J. Agric. Res. 33. (1926). No.1. pp. 59-76.

Schulz, F. and J. Reinhold.

Ultra-violet Light and Plant Production. 592
Gartenbauwiss. 2. (1929). No. 1. pp. 40-78.
Abst. in Expt. Sta. Rec. Wash. 61. No. 9. p. 834.

Schulze, R.

The Dependence of Yields on Weather Factors in the districts between the Saale, Mulde and Elbe. (Trans. title).
Kühn-Archiv. 20. pp. 223-301.

Schurig (Dr.) Werner.

Experience with Artificial Rain as the foundation for Cattle keeping. (Trans. title).
Conference on Artificial Rain.
Mitt. deuts. Landw. Ges. 43. (1928). 21.

Selianinov, G.

Climatic limits of the Subtropical and Southern Crops in Western Transcaucasia. (Trans. title).
Bull. Appl. Bot. Gen. Pl. Breed. 21. No.2. pp. 63-100. English Summary.

Sellick, N.P.

Maize and Meteorology.
Rhod. Agric. J. 27. (1930). No. 9.
pp. 962-9.

Sellschop, J.P.F. and S.C. Salmon.

The Influence of Chilling, above the Freezing Point, on certain Crop Plants. 327
J. Agric. Res. 37. (1928). No.6.pp.315-38.

Sergievskaia, L.P.

Phytophenological Observations of 1919-21 and 1923-25 in Tomsk and its environs. (Trans. title).
Trans. Tomsk. Univ. 77. 3. pp. 209-78.

Setchell, W.A.

Temperature and Anthesis. 58
Amer. J. Bot. 12. (1925). pp. 178-88.
Abst. in Bot. Abst. 15. (1926). No. 1.
p. 68.

Shantz, H.L.

Soil Moisture in relation to the Growth of Crop Plants.
J. Amer. Soc. Agron. 17. (1925). No.11.
pp. 705-11.

Shapovalov, M.

High Evaporation: a precursor and concomitant of Western Yellow Tomato Blight. 18
Phytopathology. 15. (1925). No. 8.
pp. 470-8.

Inoculation experiments with Western Yellow Tomato Blight in relation to Environmental Conditions. 579
Phytopathology. 17. (1927). No. 10.
p. 746.
Abst. in Expt. Sta. Rec. Wash. 61.
No. 3. p. 243.

Shapovalov, M. and F.S. Beecher.

The development of Tomato Yellows under different Light conditions. 436
Abst. in Phytopathology 18. (1929).
No. 11. p. 950.

Shaw, C.F.

The Normal Moisture Capacity of Soils. 263
Soil Sci. 23. (1927). No. 4. pp.303-17.
Abst. in Expt. Sta. Rec. Wash. 57.
No. 8. pp. 711-2.

Effect of Drought on Soils and Vegetation.
Trans. Commonwealth Club, Calif. 21.
(1926). pp. 497-503.

No. of Summary or Extract.

Shaw, T.R.

Effect of Temperature on Natural Enemies of Mosquitoes in Cisterns.
Pub. Hlth. Bull. Wash. No. 156. Aug. 1925. pp. 65-71.
Abst. in Rev. Appl. Ent. 15b. (1927) Pt. 6. pp. 109-10.

Shaw, W. Napier.

Manual of Meteorology. Vol. I. Meteorology in History.
Cambridge Univ. Press. Lond. 1926.

The Week as a Phenological Time-Unit.
Rep. Agric. Met. Conf. Lond. 1927. pp. 1-8.

Manual of Meteorology. Vol. II. Comparative Meteorology.
Cambridge Univ. Press. Lond. 1928.

Agricultural Meteorology in Great Britain: A Brief Historical Review.
Rep. Conf. Emp. Met. 1929. (Agric. Sect.). 2. pp. 3-12.
Minist. Agric. Lond.

Shelford, V.E.

An Experimental Investigation of the Relations of the Codling Moth to Weather and Climate. 212
Bull. Illinois Nat. Hist. Surv. 16. Mar. 1927. pp. 311-440.
Abst. in Rev. Appl. Ent. 15a. (1927) Pt. 10. p. 532.

Methods for the Experimental Study of the Relations of Insects to Weather.
J. Econ. Ent. 19. (1926) No.2. pp. 251-60.

The Relation of Abundance of Parasites to Weather Conditions.
J. Econ. Ent. 19. (1926) No. 2. pp. 283-8.

Shirley, H.L.

The influence of Light Intensity and Light Quality upon the growth of Plants. 468
Amer. J. Bot. 16. May, 1929. pp. 354-90.

Shreve, F.

Influence of Slope Exposure on Soil Temperature.
Yearb. Carnegie Instn. 23. 1924. pp. 140-1.

Influence of Moisture on Soil Temperature. 166
Yearb. Carnegie Instn. 24. 1924-25.
Abst. in Expt. Sta. Rec. Wash. 55. No.7.

No. of Summary or Extract.

Shull, A.F.

The effect of Intensity and Duration of Light and Duration of Darkness, partly modified by Temperature, upon Wing-production in Aphids. (Trans. title). Arch. Entiv. Mech. Org. 115. No. 4-5. pp. 825-51. Abst. in Rev. Appl. Ent. 17a. (1929). Pt. 9. p. 490. 487

Control of gamic and parthenogenetic reproduction in winged Aphids by Temperature and Light (Trans. title). Z. indukt. Abstamm. -u. Vererb Lehre. 55. No. 1-2. pp. 108-26.

Shul'ts, A.

Influence of various combinations of Meteorological Factors on the development and the Harvest of Oats. (Trans. title). Mém. Inst. agron. Leningr. 4. (1927) pp. 49-78.

Shutt, F.T.

The Fertilizing Value of Rain and Snow. Rep. Dept. Agric. Can. (C) 31st Mar. 1924. pp. 8-10. 17

Shutt, F.T. and B. Hedley.

The combination of Nitrogen in Rain and Snow. Proc. Roy. Soc. Can. (1925) 19.

Sibelka, A.

Agricultural Meteorology in the United States (Trans. title). Időjárás. 29. (1925) German abst. on pp. 165-6. 38

Sibilia, C.

Action of Ultra-violet rays on conidia of Fusarium. Ann. Rept. 1st Sup. Agric. Forest Ser. 2. (1926) 1. pp. 145-54. Abst. in Rev. Appl. Mycol. 6. (1927) Pt. 1. p.7.

Sideris, C.P.

Influence of Environmental Factors on the Development of Plant Diseases (Trans. title). Parnassos. 1. (1926) 6. pp. 26-8. Abst. in Biol. Abst. 1. (1927) No.7-8. p. 1020. 252

Sideris, C.P. and B.H.Krauss.

Soil Moisture relations of Pineapple Plants. 521
Soil Sci. 26. No. 4. pp. 305-15.
Abst. in Biol. Abst. 3. (1929)
No. 9-11. p. 1999.

Sidorov, K.M. and M.M. Zavadoskii.

The Influence of Temperature on the development of Ascaris eggs (Trans. title). 515
Trans. Lab. Exp. Biol. Zoopark, Moscow, 3. 1927. pp. 159-82.
Abst. in Biol. Abst. 3. (1929)
No. 9-11. p. 1928.

Sievers, F.J. and H.F.Holtz.

The Maintenance of Crop Production on semi-arid soil. 266
Pop. Bull. Wash. Agric. Expt. Sta.
No. 138. 1927.

Sifton, H.B.

On the Germination of the Seed of Spinach at Low Temperatures. 200
Ann. Bot. Oxford. 61. (1927)
No. 163. pp. 557-68.

Silvester, N.L.

Notes on the Behaviour of certain Plants in relation to the Weather. 85
Quart. J. R. Met. Soc. 52. (1926)
No. 217. pp. 15-23.

Skidmore, C.L.

Indications of Existing Correlation between the Rainfall and the number of Cacao pods harvested at Aburi and Asuansi. 485
Bull. Dept. Agric. Gold Cst. No. 16.
Yearb. 1928. pp. 114-20.

Skworzow, A.A.

Meteorology and Cotton Survey in Middle Asia. (Trans. title).
Tashkent, 1929.

Small, T.

Environmental Factors affecting the Development of Tomato Leaf Mould. 292
Rep. Exp. Res. Sta. Cheshunt. 1927.
pp. 46-51.

The Relation of Atmospheric Temperature and Humidity to Tomato Leaf Mould. 499
Ann. Appl. Biol. 17. (1930) No.1.
pp. 71-80.

No. of Summary or Extract.

Smith, A.

A Contribution to the study of Interrelations between the Temperature of the Soil and of the Atmosphere. 208
Soil Sci. 22. (1926). No. 6. pp. 447-57.
Abst. in Expt. Sta. Rec. Wash. 56. No. 7. p. 620.

Diurnal, Average and Seasonal Soil Temperature changes at Davis, California.
Soil Sci. 28. (1929). pp. 6.pp.457-68.

Daily and Seasonal Air and Soil Temperatures at Davis, California. 646
Hilgardia. 4. (1929). No. 3.

Comparisons of Day-time and Night-time Soil and Air Temperatures at Davis, California. 648
Hilgardia. 4. (1929). No. 10.

Smith, A. and H.A. Wadsworth.

The Effect of the Size of the Container upon the Capillary rise in Soil Columns.
Soil Sci. 22. (1926). No.3.pp.199-211.

Smith, A.J.M.

Temperature Conditions in Refrigerated Holds carrying Apples.
Sp. Rep. Food Invest. Bd. Lond. No. 27. 1926.

Temperature Conditions in Small Cold Storage Chambers containing Fruit.
Sp. Rep. Food Invest. Bd. Lond. No.29. 1926.

Smith, B.B.

Relation between weather conditions and Yield of Cotton in Louisiana.
J. Agric. Res. 30. (1925). No. 11. pp. 1083-6.

Smith, R.W.

The Tillering of Grain as related to Yield and Rainfall. 43
J. Amer. Soc. Agron. 17. (1925). No.11. pp. 717-25.

No. of Summary or Extract.

Smith, W.

Wind Damage as related to quantity and quality of Orange production.
Calif. Citrogr. 10. Apr. 1925. pp.196; 206-7.

Smolik, L.

The Minimum Soil Moisture requirements of Barley. (Trans. title). 542
Bull. Czechoslov. Acad. Agric. 6. (1930). No. 2. pp. 166-9.

Snell, W.H., W.G. Hutchinson and K.H.N. Newton.

Temperature and Moisture relations of Fomes roseus and Trametes subrosea. 415
Mycologia. 20.5. pp. 276-91.
Abst. in Rev. Appl. Mycol. 8. (1929). Pt. 3. p. 147.

Soumgin, M.

Permanently Frozen Soil in the boundaries of U.S.S.R.
Far East Geoph. Obs. Vladivostock, 1927.
Rev. in Nature. Lond. 123. 11th May. 1929. pp. 741-2.

Speyer, W.

Climatic and Parasitic Factors in the causative-complex of the Failure of the Fruit Harvest of the Lower Elbe. (Trans. title).
Arb. biol. Anst. Berl. 17. No. 5.

Spoehr, H.A.

Phytosynthesis. 211
Chemical Catalogue Co., New York. 1926.
Abst. in Expt. Sta. Rec. Wash. 56. No. 7. p. 626.

Sprague, H.B. and M. Lenz.

The Effect of X-rays on Potato tubers for "seed". 572
Science 69. (1929). No. 1797. p. 606.
Abst. in Expt. Sta. Rec. Wash. 61. No. 7. p. 628.

Stakman, E.G. and E.B. Lambert.

The Relation of Temperature during the Growing Season to the occurrence of Stem Rust Epidemics in the Spring Wheat Area of the U.S.A. 253
Phytopathology. 18. (1928). No. 4. pp. 369-74.

No. of Summary or Extract.

Stanchinsky, V.V.

Some Climatic Limits in the extension of birds in Eastern Europe.
Ecology. 8. Apr., 1927. pp. 232-7.

Staniland, L.N.

The Effect of Weather in connection with Tar Distillate Spraying.
Rep. Agric. Met. Conf. Lond. 1928. pp. 27-9.

Stapledon, R.G.

The effect of Meteorological Conditions on (a) the Gross Yield of Hay and (b) its Seasonal Productivity under a system of monthly Pasture Cuts.
Bull. Welsh Pl. Breed. Sta., Ser. H. (1924) No.3. pp. 19-32.

The Effect of Meteorological Conditions on the Amount and Nutritive Value of Pasture and Hay.
Rep. Agric. Met. Conf. Lond. 1927. pp. 41-54.

Steenbock, H., E.B.Hart, etc.

The Influence of Ultra-violet Light on the Production, Hatchability and Fertility of the Egg.
J. Biol. Chem. 65. No.3. pp. 579-95.

The Influence of Sunlight upon Calcium Equilibrium in Milking Cows. 315
J. Biol. Chem. 67. (1926) 2. pp. 371-83.
Abst. in Biol. Abst. 2. (1928) No. 3-5. p.492.

Steinbauer, G.

Differences in resistance to Low Temperatures shown by Clover varieties. 199
Plant. Physiol., 1. (1926) No.3. pp.281-6.
Abst. in Expt. Sta. Rec. Wash. 56. No.8. p. 735.

Steiner, P. and K. Friedrichs.

Light and Insect development (Trans. title).
Zbl. Bakt. 2. 80. pp. 71-7.
Abst. in Z. angew. Ent. 16. 2. p. 415.

Stewart, J., H.E.Woodman and D.L.Blunt.

(Rainfall and the) Nutritive Value of Pasture. 102
J. Agric. Sci. 16. (1926) Pt.2. pp.205-74.

No. of Summary or Extract.

Stewart, J., H.L.Woodman and D.L.Blunt (Continued).

Seasonal Variations in the productivity of Pasturage on a Heavy Clay Soil. 191
J. Agric. Sci. 17. (1927) Pt.2. pp. 222-8.

Stickel, P.W.

Forest-Fire Weather in Central Massachusetts. 291
Mon. Weath. Rev. Wash. 56. (1928) No. 4. pp. 134-36.

Stickel, P.W. and P.R.Gast.

Solar Radiation and Relative Humidity in relation to duff moisture and Forest Fire Hazard.
Mon. Weath. Rev. Wash. 57. (1929) No. 11. pp. 466-8.

Stitz, J.

Biological effect of Ultra-violet rays on Bees. (Trans. title). 479
Arch. Bienenk. 8. No. 7. pp. 286-8.
Abst. in Biol. Abst. 3. (1929) No.4-6. p. 513.

Stoughton, R.H.

The Influence of Environmental Conditions on the development of the Angular Leaf-Spot Disease of Cotton. 285
Ann. Appl. Biol. 15. (1928) No.3. pp. 333-41.

Apparatus for the growing of Plants in a Controlled Environment. 509
Ann. Appl. Biol. 17. (1930) No.1. pp. 90-106.

Streeter, L.R.

Influence of Temperature and Humidity upon the Volatilisation of Nicotine from Tobacco Dust-Lime Hydrate Mixtures.
J. Econ. Ent. 18. (1925) No.4. pp. 590-3.
Abst. in Rev. Appl. Ent. 13a. (1925) Pt. 10. p. 511.

Suzuki, K. and J. Hatano.

The Influence of Ultra-Violet Light upon the Growth of Animals. (Trans. title). 317
Proc. Imp. Acad. Tokyo. 3. (1927) 2. pp. 94-6.
Abst. in Biol. Abst. 2. (1928) No.3-5.p.474.

Svenson, H.K.

On the Effects of X-rays on Fungi. 429
Science. 69. 29th Mar. 1929. p. 361.

No. of Summary or Extract.

Sweetman, H.L.

Precipitation and Irrigation as factors in the Distribution of the Mexican Bean Beetle. 457
Ecology, 10 (1929) No.2. pp.228-44.
Abst. in Rev. Appl. Ent. 17a (1929) Pt. 7. p.365.

Field Studies of the Physical Ecology of the Alfalfa Weevil. 641
Bull. Wyom. Agric. Expt. Sta. No.167.1929.
Abst. in Expt.Sta.Rec.Wash.62 No.6. p.546.

Swellengrebel, N.H.

On the Influence of the Wind in the Spread of Anopheles maculipennis. 508
Amer. J. Hyg. 10. No.2. pp.419-34.
Abst. in Rev. Appl.Ent.18b.(1930).Pt.2. pp.23-4.

Szule, K.

Spring and Autumn Night Frosts viewed as problems of Agricultural Meteorology.
Prace Meteor. hydr. Serja F. 1.(1924) (Prelim.note). In Polish, Warsaw. French Summary.

Tagute, K.

Japanese Famine and Sunspots.
J.Met.Soc.Japan. Ser.2,3.(1926) pp.128-30. Summary p.18.

Tahoyarna, S.

Cotton crops in America and Sunspot number.
J.Met.Soc. Japan. ser.2,3,(1926) pp.123-8. Summary p.17.

Talalaev, E.V. and A.F. Lebedeff.

Hydrological and climatological conditions and the loss of Wheat in 1927-1928 and possible agricultural technical methods for fighting the loss of Winter Corn (Trans. title). Rostoff-on-Don. 1928.
In R. Met. Soc. Library.

Talman, C.F.

Nature's own Weather Bureau. A glance at the little known science of Phenology.
Tycos. 19. (1929). pp.125-8.

Tapke, V.F.

405

The role of Humidity in the life cycle, distribution and control of the Loose-smut Fungus of Wheat.
Abst. in Phytopathology 19.(1929). No. 1. p.103.

No. of Summary or Extract.

Taubenhaus, J.J. and B.F.Dana.

The Influence of Temperature and Soil Moisture on Cotton Root Rot. 401
Bull. Tex. Agric. Expt.Sta. No.386. 1928.

Taylor, E. McKenzie.

The Effect of Irrigation upon Soil Temperature. 34 ~~24~~
Bull. Tech. Sci. Serv. Cairo. No.53. 1924.
Abst. in Expt. Sta. Rec. Wash. 53. No. 4. p. 318.

Soil Temperatures under Cotton in Egypt. 233
J. Agric. Sci. 17. (1927) Pt.4. pp..489-501.

Soil Temperatures in Egypt. 241
J. Agric. Sci. 18. (1928) Pt.1. pp. 90-122.

Taylor, H.V.

Meteorological Research and Fruit Production.
Rep. Conf. Emp. Met. 1929 (Agric. Sect.). pp. 95-120. Minist. Agric. Lond.

Taylor, N.

The Climate of Long Island. Its Relation to Forests, Crops and Man.
Bull. Cornell Agric. Expt. Sta. No.458. (1927) pp. 3-20.

Tazelaar, M.A.

The effect of a Temperature gradient on the early development of the Chick. 608
Quart. J. Micr. Sci. 72. No.3. pp. 419-46.
Abst. in Biol. Abst. 4. (1930) No.3. p. 706.

Tehon, L.R.

The field survey as a basis for the phenological interpretation of the Plant Disease epidemic. 259
Abst. in Phytopathology. 16. (1926) No. 1. p. 63.

Epidemic diseases of grain crops in Illinois, 1922-1926. The measurement of their prevalence and destructiveness and an interpretation of weather relations based on Wheat Leaf Rust data.
Bull. Illinois. Nat. Hist. Surv. 17. pp. 1-96.
Abst. in Rev. Appl. Mycol. 7. (1928) Pt. 9. pp. 561-2.

No. of Summary or Extract.

Tehon, L.R. (Continued).

Methods and Principles for interpreting the Pehnology of Crop Pests. 437
Bull.Illinois Nat.Hist.Surv. 17. pp.3 pp. 321-46.
Abst. in Rev.Appl. Mycol. 8. (1929) No. 5. pp. 327-8 and in Rev. Appl. Ent. 17a. (1929). Pt.5. pp. 282-4.

Tengwall, T.A. and C.E. Van der Zyl.

Relation between Climate and Sugar Production in Java. 10
Arch. Suckerind. Ned. Ind. No.4. pp. 65-139.
Abst. in Int. Rev. Sci. Prac. Agric. 3. n.s. (1925) No.1. p. 170.

Tennent, R.B.

The Relation of Meteorology to Agriculture.
N.Z.J. Agric. 33. No.6. Dec. 1926. pp. 381-6.

Tettamanzi, D. and F. Crescini.

The resistance of Grain to Low Temperatures. (Trans. title).
Ital. Agric. 66. (1929) pp. 546-52.

Thurnysson, G. and G. Truffaut.

Influence of Artificial Light on the Growth of Higher Plants. (Trans. title). 112
C.R.Acad. Sci. Paris. 188. Feb. 1929.

Tiedjens, V.A.

Stimulation of Plant Growth by means of Electric Lighting.
Trans. Illum. Eng Soc. N.Y. 19. (1924). No. 10.

Sex ratios in Cucumber Flowers as affected by different conditions of Soil and Light. 289
J. Agric. Res. 36. (1928) No.8. pp.721-46.

Timms, E.C.

Influence of Soil Temperature and Soil Moisture on the Development of Yellows in Cabbage Seedlings. 144
J.Agric. Res. 33. (1926) No.10. pp. 971-92.

Tincker, M.A.H.

Effect of Length of Day on Plant Growth.
Ann. Bot. Oxford. 39. (1925) No.156. pp. 721-54.

The Effect of Length of Day upon the Growth and Chemical composition of the Tissues of certain Economic Plants. 238
Ann. Bot. 42. (1928) No.165. pp.101-40.

No. of Summary or Extract.

Tincker, M.A.H. (Continued).

Effect of Length of Daily Period of Illumination upon the growth of Plants. J.R. Hort. Soc. 54. (1929). Pt. 2. pp. 354-78. 469

The Varietal Response of the Plant to the Length of Day. Rep. Conf. Emp. Met. 1929. (Agric. Sect.) 2. pp. 34-9. Minist. Agric. Lond.

Some Experiments in the growing of Vegetables under various Ultra-violet Ray Glasses. J.R. Hort. Soc. 55. (1930). Pt. 1. pp. 79-87. 518

Tippett, L.H.C.

On the Effect of Sunshine on Wheat yield at Rothamsted. J. Agric. Sci. 16. (1926). Pt. 2. pp. 159-65.

Titus, R.W., J.S. Hughes, W.R. Hinshaw and J.B. Fitch.

Destruction of Vitamin A in Milk by Ultra-Violet Light. Indust. Engng. Chem. 18. (1926). No. 8. p. 843. Abst. in Expt. Sta. Rec. Wash. 56. No. 1. pp. 88-9. 190

Todaro, F. and W. Mosneaga.

Effect of Drought on Maize (Trans. title). Ital. Agric. 66. (1929). No. 1.

Tompkins, C.M.

Influence of Environment on Potato Mosaic Symptoms. Phytopathology 16. (1926). No. 9. pp. 581-610. 152

Toro, R.A.

Influence of Environment in the protection of Plants from Disease (Trans. title). Porto Rico Dept. Agric. Lab. Sta. Circ. No. 90. 1925.

Tottingham, W.E.

Temperature effects in the metabolism of Wheat. Plant Physiol. 1. pp. 307-36. 116

Tottingham, W.E. and H.W. Kerr.

Climatic Effects in the metabolism of Maize. Pl. Physiol. 1. No. 4. pp. 415-6. Abst. in Expt. Sta. Rec. Wash. 61. No. 1. p. 22. 578

No. of Summary or Extract.

Tottingham, W.E., S. Lepkovsky, E.R. Schulz and K.P. Link.

Climatic Effects in the Metabolism of the Sugar Beet. 96
J. Agric. Res. 33. (1926). No. 1. pp. 59-76.

Toulaikoff, N.M.

Drought in the Volga District. (Trans. title). 169
Mat. Etude Calamités. 2. (1926). No. 8. pp. 308-38.
Abst. in Expt. Sta. Rec. Wash. 55. No. 9. pp. 807-8.

Trautwein, K.

The Resistance of the Virus of Foot-and-Mouth Disease to the Rays of the Quartz lamp, Sunlight and Sollux lamp. and the Effect of Irradiation upon the course of the disease in Guinea-pigs. (Trans. title). 488
Arch. wiss. prakt. Tierhlk. 60. No. 2. pp. 101-10.
Abst. in Trop. Vet. Bull. 17. No. 4. p. 138.

Tripp, F.V. and C.F. Brooks.

Phenology: Responses of Life to the Advance of the Seasons.
Bull. Amer. Met. Soc. 6th Mar. 1925. pp. 47-8.

Troitzky, N.N.

On the Technique of studying Temperature as a Biological Factor (In Russian).
Morbi Plantarum, Leningrad. 13. No. 3-4. pp. 88-97.

A Graphic representation of the Weather in connection with the Growth of Grain Crops. (Trans. title). 257
Ann. State Inst. Expt. Agron. 5. (1927). No. 4. pp. 283-7.
Abst. in Expt. Sta. Rec. Wash. 58. No. 6. p. 512.

Tronci, V.

Meteorology and Agriculture. (Trans. title).
Met. prat. Montecassino. 9. (1928). pp. 52-5.

Truffaut, G. and G. Thurneysson.

Influence of Artificial Light on the Growth of Higher Plants. (Trans. title). 112
C.R. Acad. Sci. Paris. 188. Feb. 1929.

Trullinger, R.W.

Factors influencing Soil Moisture regulation. I. Soil Moisture forms, absorption and retention. 264
Agr. Eng. Ames. Ia. 8. (1927). No. 6. pp. 135-9.
Abst. in Expt. Sta. Rec. Wash. 57. No. 9. p. 880.

Factor influencing Soil Moisture regulation. II. Soil moisture losses and factors in prevention. 265
Agr. Eng. Ames. Ia. 8. (1927). No. 7. pp. 183-6. 193.
Abst. in Expt. Sta. Rec. Wash. 58. No. 6. p. 582.

Truog, E. and O.C. Magistad. 25

The Influence of Fertilisers in Protecting Maize against Freezing.
J. Amer. Soc. Agron. 17. (1925). No.9. pp. 517-26.

Tulaikov, N.

Use of Water by cultivated Plants in the Field. 441
J. Agric. Sci. 19. (1929). Pt. 1. pp. 1-16.

Tulaikov, N. and A. Kozhevnikov.

The Absorption of Rain Water by Soil under Vegetation and its utilization by Plants. (Trans. title).
Soil Sci. 25. (1928). No. 3.pp.213-24.

Tumanov, I.I.

Water deficiency and wilting of Plants as a means of increasing their resistance to Drought. (Trans. title). 614
Z. angew. Bot. Pflanzenzucht. 16.(1926). No. 4. and in Z. wiss. Biol. abt. E., Planta. 3. No. 2-3. pp. 391-480.
Abst. in Z. Pflanzenern. Dung.u.Boden. 7. (1928). Pt. 8.

Wilting and Soil Drought resistance. 534
Bull. Appl. Bot. Gen. Pl. Breed. 22. (1929). pp. 107-46.

Tumanov, I.I. and I. Borodin.

Investigations into Frost resistance of winter crops by means of direct freezing and of indirect methods. 532
Bull. Appl. Bot. Gen. Pl. Breed. 22.(1929). pp. 395-440.

No. of Summary or Extract.

Van der Zyl, C.E. and T.A. Tengwall.

Relation between Climate and Sugar Production in Java. 10
Arch. Suckerind. Ned. Ind. No. 4. pp. 65-139.
Abst. in Int. Rev. Sci. Prac. Agric. (n.s.) 3. (1926). No. 1. p. 170.

Van Dillewijn, C.

Light - Growth reactions in Avena. (Trans. title).
Rec. Trav. Bot. Néerland. 24. (1927). No. 1-3. pp. 307-581.

Van Everdingen, E.

The relation between Weather Conditions and Potato Blight. (Trans. title). 117
Tijdschr. Plantenziekt. 32. (1926).
Abst. in Rev. Appl. Mycol. 5. (1926). Pt. 10. pp. 627-8.

Vaughn, W.E. et. al.

Relation of Temperature to Rate and Type of Fermentation and to Quality of Commercial Sauerkraut.
J. Agric. Res. 35. (1927). No. 11. pp. 1021-38.

Veihmeyer, F.J.

Irrigation in relation to Soil Moisture and Plant Growth. 262
Agric. Eng. Ames. Ia. 8. (1927). No. 5. pp. 109-11.
Abst. in Expt. Sta. Rec. Wash. 57. No. 8. pp. 775-6.

Some Factors affecting the Irrigation Requirements of Deciduous Orchards.
Hilgardia. 2. (1927). No. 6. pp. 125-284.

Veihmeyer, F.J. and J.P. Conrad.

Root Development and Soil Moisture. 494
Hilgardia. 4. (1929). No. 4.

Veihmeyer, F.J. and A.H. Hendrickson.

Soil Moisture at Permanent Wilting of Plants. 613
Pl. Physiol. 3. (1928). No.3. pp.355-7.
Abst. in Expt. Sta. Rec. Wash. 62. No. 7. p. 617.

Soil Moisture conditions in relation to Plant Growth. 475
Pl. Physiol. 2. (1927). No. 1. pp. 71-82.
Abst. in Biol. Abst. 3. (1929). No.4-6. p. 864.

No. of Summary or Extract.

Veihmeyer, F.J. and A.H.Hendrickson. (Continued)

The Relation of Soil Moisture to cultivation and Plant Growth. 611
Proc. Int. Cong. Soil Sci. Wash. 3. pp. 498-513.
Abst. in Biol. Abst. 4. (1930). No.5. p. 1515.

Venn, J.A.

Crop forecasting in England.
Econ. J. 37. (1927) No.147. pp.404-10.

Vibar, T.

The Relation of Temperature and Soil Moisture to Diseased and Disease Free Corn(Maize). 120
Philipp. J. Sci. 31. (1926) No.2. pp. 169-216.

Viggiani, G.

Influence of temperature and Rainfall on Trifolium pratense. (Trans. title).
Nuovi Ann. Minist. Agric. Roma. 6. (1926) No.3-4. pp. 565-91.

Voeltz, W., A. Kirsch and C. Falkenheim.

The Influence of Sunlight or Artificial Ultra-Violet Ray Treatment of Cows on the Secretion of Anti-rachitic Milk. 230
Landw. Jahrb. 65. (1927) 3.

Voltz, W.

The Importance of Light for the well-being of Farm Animals and for the Production of Vitamin-Rich Milk. 137
Mitt. deuts. Landw. ges. 61. (1926) No.50. pp. 1027-8.

Voorhees, J.F.

A Further Study of Effective Rainfall.
Mon. Weath. Rev. Wash. 54. (1926) No.8. pp. 332-6.

Vowinckel, O.

Factors affecting the development of Potato blight. 145
Arb. biol. Anst. Berl. 14. No.4. pp.588-641

Vyvyan, M.C.

The Effect of Climatic Conditions on the Growth of Vegetables.
Rep. Agric. Met. Conf. Lond. 1928. pp. 13-25.

Wadsworth, H.A. and A. Smith.

The Effect of the Size of the Container upon the Capillary rise in Soil Columns. Soil Sci. 22. (1926) No.3. pp. 199-211.

Wahlenberg, W.G.

Autumn Sowing and Delayed Germination of Western White Pine Seed. 2
J. Agric. Res. 28. (1924) No.11. pp. 1127-31.

Wakely, Colwell and Gladstone.

The Action of X-Rays on the Developing Chick Embryo. 75
J. Anat. Lond. 60. (1926) pp. 207-28. Abst. in Nature, Lond. 117. 27th Feb. 1926. p. 320.

Waldo, G.F. and G.M.Darrow.

The practical significance of increasing the daily light period of winter for Strawberry breeding. 568
Science. 69. (1929) No.1793. pp.496-7. Abst. in Expt. Sta. Rec. Wash. 61. No. 6. p. 528.

Walker, J.C.

The Influence of Soil Temperature and Soil Moisture upon White rot of Onions. 125
Phytopathology 16. (1926) No.10. pp. 697-710.

Walker, J.C. and F.L.Wellman.

Relation of Temperature to Spore Germination and Growth of the Onion Smut Fungus. 90
J. Agric. Res. 32. (1926) No.2. pp. 133-46.

Walker, M.N.

Relation of Soil Temperature and Soil Moisture to the sore shin disease of Cotton. 418
Bull. Florida Agric. Expt. Sta. No.197. (1928) pp. 345-71. Abst. in Expt. Sta. Rec. Wash. 59. No.9. p. 846.

Walker, M.N. and A.F.Camp.

The Relation of Soil Temperature to the Germination and Growth of Cotton. Bull. Florida Agric. Expt. Sta. No.189. (1927) pp. 17-32. Abst. in Expt. Sta. Rec. Wash. 58. No.3. p. 225.

No. of Summary or Extract.

Wallace, T. and C.E. Mann.

Rainfall and Spotting of the Foliage of the Apple. 156
J. Pomology Hort. Sci. 4. (1925). No. 3 and 4. pp. 146-61.

Walen, A.

What can meteorology do for Agriculture? (Trans. title).
Ingen. Vetensk. Akad. Medd. Stockholm. 71. (1927).

On the knowledge of the local Climate of Firs and Pines. (Trans. title).
Skogshogskolans Festskr. (1928). pp. 896-912. French summary on pp. 912-3.

Walters, A.

The Relation between Sugar Crops and Weather.
Misc. Pub. Alfred Obs. No. 5. (1922).

Walton, C.L.

Some Observations on the Fluctuations of certain Insect Pests as affected by Climate. 338
Nor. Vest. Nat. 3. (1928). No. 2-3. pp. 77-80. 124-7.
Abst. in Rev. Appl. Ent. 17a. (1929). Pt. 1. p. 13.

Wardle, R.A.

The Climate of the Southern Sudan in relation to Cotton Growing.
Mem. Manchr. Lit. Phil. Soc. 70. (1925-26). pp. 59-69.

Waltzl, O.

Thermal Summation Rule and its relation to agricultural pests. (Trans. title). 513
Fortschr. Landw. 2.11. pp. 350-4.
Abst. in Biol. Abst. 3. (1929). No.9-11. p. 1959.

Weakley, H.E. and J.C. Russel.

The Movement of Soil Moisture in the Vapour Phase. 23
J. Amer. Soc. Agron. 17. (1925). No.10. pp. 642-3.

Weaver, J.E.

Some Ecological aspects of Agriculture in the Prairie. 223
Ecology 8. (1927). No. 1. pp. 1-17.
Abst. in Biol Abst. 1. (1927). No. 5. p. 796.

Weaver, J.E. (Continued).

Plant Production as a Measure of Environment 76
J. Ecology. 12.(1924).No.2.pp.205-37.
Abst. in Int. Rev.Sci.Prac.Agric.(n.s.).
3. (1925). No. 3. pp. 811-2.

Webb, R.W.

Soil Factors influencing the development of 234
the Mosaic Disease in Winter Wheat.
J. Agric. Res. 35. (1927).no.7.pp.587-614.

Weed, A.

Metamorphosis and Reproduction in Apterous 155
forms of Myzus persicae Sulzer as Influenced
by Temperature and Humidity.
J. Econ.Ent.20.(1927).No.1. pp. 150-7.

Weickmann, L.

Correlation of Weather Factors with the yield
of Harvests. (Trans. title).
C.R. Ass. Franc. Av. Sci. (1928).

Weigert, J. and G. Korff.

Influence of the Weather on the Development and
Soundness of Crop Plants in 1926.(Trans.title).
Prakt.Bl.Pflanzenb.4.No.5. pp. 103-11.

Weimer, J.L.

Some Factors involved in the Winter Killing 461
of Alfalfa.
J. Agric. Res.39.(1929).No.4.pp.271-82.

Alfalfa Root Injuries resulting from Freezing. 511
J. Agric.Res.40.(1930).No.2.pp. 121-43.

Soil Temperature and Soil Moisture relations 507
of Fusarium oxysporum var. medicaginis.
J.Agric.Res.40.(1930).No.2. pp. 97-103.

Weir, W.W.

Effect of Pumping from deep wells on the 196
Water Table.
J.Agric.Res.34.(1927). No.7. pp.663-72.

Wellensiek, S.J.

The Influence of atmospheric humidity on Seed 621
Potatoes during storage. (Trans. title).
Tydschr. Plantenziekt. 35. No.1. pp.13-24.
Abst. in Biol.Abst.4.(1930).No.4. p.1210.

Wellman, F.L. and J.C. Walker.

Relation of Temperature to Spore Germination
and Growth of the Onion Smut Fungus.
J.Agric.Res.32.(1926).No.2.pp. 133-46.

Welsh, H.D.

Rainfall and the Drainage from a Scottish Soil.
Rep. Agric. Met. Conf. Lond. 1928. pp. 37-45.

Welsh, H.D. and J. Hendrick.

The Substances removed by the Drainage from a Scottish Soil.
Proc. Int. Cong. Soil Sci. 2. 1. pp. 163-71.

Welton, F.A. and V.H.Morris.

Climate and the Clover Crop. 47
J. Amer. Soc. Agron. 17. (1925) No.12. pp. 790-800.

Welton, F.A. and V. H.Morris.

Wheat Yield and Rainfall in Ohio.
J. Amer. Soc. Agron. 16. (1924) No.11. pp. 731-49.

Werner, H.O.

Relative Productivity of Seed Potatoes grown under various controlled Soil Temperatures and Soil Moistures. 440
J. Agric. Res. 38. (1929) No.7. pp. 405-10.

Werth, E.

Annual Report for 1922 of the Imperial Phenological Service. (Trans. title).
Mitt. biol. Rchs. Anst. Berl. 25.

Climate and Vegetation in Germany. 239 ~~271~~
(Trans. title).
Mitt. biol. Rchs. Anst. Berl. 33. Dec. 1927.

The Weather of 1929 and its influence on cultivated Plants. (Trans. title).
Mitt. biol. Rchs. Anst. Berl. Mar. 1930.

West, L.S.

The Protection of Young Citrus Trees from Frost. 597
J. Coun. Sci. Indust. Res. 3. (1930) No. 1. pp. 44-8.

Westbrook A., E.M.Delf and K. Ritson.

The Effect on Plants of radiations from a quartz mercury-vapour lamp. 528
Brit. J. Exp. Biol. 5. 2. pp. 138-54.
Abst. in Biol. Abst. 3. (1929) No.9-11. p. 1669.

No. of Summary or Extract.

Whitcomb, W.C. and A.H. Johnson.

A comparison of some properties of Normal and Frosted Wheats. 553
Bull. Montana Agric. Expt. Sta. No. 204. (1927)
Abst. in Expt. Sta. Rec. Wash. 60. No. 3. p. 228.

White, T.H.

Importance of Temperature in control of Snapdragon Rust. 603
Flor. Exch. 69. No. 7. p. 612.
Abst. in Biol. Abst. 4. (1930). No. 2. p. 346.

Whitney, W.A. and L.L. Harter.

Influence of Soil Temperature and Soil Moisture on the Infection of Sweet Potatoes by the Black Rot Fungus. 97
J. Agric. Res. 32. (1926). No. 12.pp. 1153-60.

Relation of Soil Temperature and Soil Moisture to the infection of Sweet Potatoes by the Stem-rot organisms. 187
J. Agric. Res. 34. (1927). No. 5. pp.435-41.

Wiesenberg, F.

Effect of Soil Moisture on Plants. (Trans. title). 456
Bot. Arch. 14. No.3-4. pp. 261-83.
Abst. in Biol. Abst. 2. (1928). No. 6-8. p. 1155.

Wiessman, H.

On the Influence of Light on the Food Assimulation of Young Plants. (Trans. title).
Z. Pfl. Ernähr. Dung. u. Boden. 4. (1925). No. 4. pp. 153-5.

Wigoder, S.B. and R.E.P. Patten.

The Effect of X-rays on Seeds. 427
Nature. Lond. 123. 20th Apr. 1929. p.606.

Williams, C.B.

Cotton Growing in Relation to Climate in Egypt and the Sudan. 13
Bull. Tech. Sci. Serv. Cairo. No. 47. (1924).
Abst. in Mon. Weath. Rev. Wash. 53. (1925). No. 3. pp. 118-9.

A Third Bioclimatic Study in the Egyptian Desert. 41
Bull. Tech. Sci. Serv. Cairo.No.50(1924).
Abst. in Expt. Sta. Rec. Wash. 53. No. 4. p. 317.

No. of Summary or Extract.

Wilson, A.H.R.

Influence of Rainfall on Fecundity of Song Thrush and Blackbird in Perthshire. Brit. Birds. 19.(1925). No. 1. pp. 22-3.

Wilson, H.K.

Wheat, Soybean and Oat Germination studies with particular reference to Temperature Relationships. J. Amer. Soc. Agron. 20. (1928). No. 6. pp. 599-619. 287

Wilson, H.K. and C.F. Hottes.

Wheat germination studies with particular reference to Temperature and Moisture Relationships. J. Amer. Soc. Agron. 19. (1927). No. 2. pp. 181-90. 163

Woglum, R.S.

Climatic Influence on Citrus Insect Distribution in California. J. Econ. Ent. 21. (1928). No. 5. pp.708-15. 310

Wolfe, T.K.

The Influence of Rainfall on the Yield of Maize at Blacksburg, Va. J. Amer. Soc. Agron. 17. (1925). No. 6. pp. 356-62. 14

Wood, T.B.

Temperature and the Food Requirements of Animals. Rep. Agric. Met. Conf. Lond. 1927. pp. 71-2.

Wood, W.F. (Jnr.)

A Comparison of the Growth of Chicks behind Window Glass and a Glass Substitute. Poult. Sci. 6. (1926-27).No.1.pp:62-70.

Woodman, H.E.

The Effect of Meteorological Conditions on the Rate of Growth of Pasture Grass. Rep. Agric. Met. Conf. Lond. 1927. pp. 55-69.

Woodman, H.E., D.L. Blunt and J. Stewart.

Rainfall and the Nutritive Value of Pasture. J. Agric. Sci. 16. (1926). Pt.2.pp.205-74. 102

No. of Summary or Extract.

Zavadovskii, M.M. and K.M.Sidorov.

The Influence of Temperature on the development of Ascaris eggs. (Trans. title). (English Summary). 515
Trans.Lab. Exp.Biol.Zoopark.Moscow . 3. (1927). pp. 159-82.
Abst.in Biol.Abst.3.(1929).No.9-11. p. 1928.

Zielke, W.

Investigations into the Influence of Weather on the Yields of some Fruit species and varieties on Germany. (Trans. title).
Gartenbauwiss. 2. No. 576.

Zillick, R.

On the Light requirements of some Weeds and Cultivated Plants. (Trans. title).
Fortschr.Landw.1.(1926).No.15.pp.461-70.
Biederm.Zbl.56.(1927).4.pp. 183-4.

Zimmerman, P.W. and A.E. Hitchcock.

Root formation and Flowering of Dahlia cuttings when subjected to different day lengths. 527
Bot.Gaz.87.1. pp. 1-13.
Abst.in Biol.Abst.3.(1929).No.9-11.p.1671.

Zinks, H.

The Climate of Erfurt and its importance for vegetation conditions, especially for Horticulture. (Trans. title).
Met. Z. 44. (1927). pp. 18-22.

Zon, R.

Forests and Water in the light of scientific investigation. 268 ~~962~~
For. Serv. Wash. (1927).
Abst. in Expt. Sta. Rec. Wash. 58. No. 5. p. 440.

Zon, R.

Forestry Versus Climate. 480
J. For. 26. (1928). No. 5. pp.711-3.
Abst. in Biol. Abst. 3. (1929). No.4-6. p. 874.

Zweigelt, F.

Climate and Animal Development.(Trans. title). 503
Ent. Anz. 8. No. 9. pp. 93-4; No.10. pp. 99-100; No. 11. pp. 107-14..
Abst. in Biol. Abst. 3. (1929). No.7-8. p. 1051.

SECTION IV.

KEY TO ABBREVIATIONS.

* In the Library of the Ministry of Agriculture and Fisheries.

+ In the Library of the Meteorological Office.

Acta Litt. ac Sci. U. Univ. Francisco-Josephinae Sect. Sci. Nat.	Acta Litterarum ac Scientiarum, Regia Universitas Francisco-Josephinae, Sectio Scientiarum Naturalium. Szeged.
Acta Soc. Bot. Poloniae.	Acta Societatis Botanicorum Poloniae. Warsaw.
Agric. Eng.Ames, Ia.	Agricultural Engineering, Ames, Ia.
Agric.J.Ind.	* Agricultural Journal of India. Pusa.
Almanaque Minist.Agric.B.Aires.	Almanaque del Ministerio de Agricultura. Buenos Aires.
Amer.Bee J.	* American Bee Journal. Chicago.
Amer.Fruit Gr.	American Fruit Grower. Chicago.
Amer.J.Bot.	American Journal of Botany. Lancaster.
Amer.J.Hyg.	American Journal of Hygiene. Baltimore.
Amer.Mus.Nov.	American Museum Novitates. New York.
Amer.Nat.	American Naturalist. Boston.
Angew.Bot.	* Angewandte Botanik. Berlin.
Ann.App.Biol.	* Annals of Applied Biology. Cambridge.
Ann.Bot.Oxford.	* Annals of Botany. London.
Ann.Ec.Agric.Montpellier.	Annales de l'Ecole nationale d'agriculture de Montpellier. Montpellier.
Ann.Ent.Soc.Amer.	Annals of the Entomological Society of America. Columbus, Ohio.
Ann.Epiphyties.	Annales des Epiphyties. Paris.
Ann.Gembl.	* Annales de Gembloux. Bruxelles.
Ann.Inst.Agron.Paris.	Annales de l'Institut national Agronomique. Paris.
Ann.Inst.Pasteur.	Annales de l'Institut Pasteur. Paris.

Ann.Missouri Bot.Gdn.	Annals of the Missouri Botanical Gardon. St. Louis. Mo.
Ann.R.Ist.Super.Agr.Portici.	Annali del R.Istituto superiore diagrario in Portici. Modena.
Ann.R.Scu.Agric.Portici.	*Annali della R.Scuola superiori di agricultura in Portici. Napoli.
Ann.Sci.Agron.	*Annales de la Science agronomique frangaise et etrangere. Paris.
Ann.State Inst.Expt.Agron.	Annals of the State Institute for Experimental Agronomy. Leningrad.
Ann.Tec.Agr.	*Annali di Tecnica Agraria. Roma.
Annu.Agric.Suisse.	Annuaire agricole de la Suisse. Berne.
Anz. Schädlingsk.	Anzeiger für Schädlingsk und zugleich Nachrichtenblatt der Deutschen Gesellschaft für angewandte Entomologie e.V.Berlin.
Arb. ArbGem. Grunlandw.Freist. Sachsen.	Arbeiten der Arbeitsgemienschaft für Grunlandwirtschaft in Freistaat Sachsen. Dresden.
Arb. biol.RchsAnst.Berl.	*Arbeiten aus der Biologischen Reichsanstalt für Land-u. Forstwirtschaft. Berlin.
Arb.deuts.Landw.Ges.	*Arbeiten der Deutschen Landwirtschaft-Gesellschaft. Berlin.
Arb.Landw. Kamm.Hessen.	Arbeiten der Landwirtschaftskammer für das Grossherzogt. Hessen. Darmstadt.
Arb.Met.Inst.Univ.Riga.	+Arbeiten aus dem Meteorologischen Institut der Universität zu Riga.
Arch.Bienenk.	Archiv für Bienenkunde. Leipzig, Berlin.
Arch.EntwMech. Org.	Archiv für Entwicklungsmechanik der Organismen. Leipzig.
Arch.Schiffs-u. Tropenhyg.	Archiv für Schiffs-u. Tropenhygiene unter bes.d.Pathologie u.Thorapie. Leipzig.
Arch.Suikerind.Ned.Ind.	Archief voor de suikerindustrie in Nederlandsch-Indie. Soerabaia.
Arch.wiss.prakt.Tierhlk.	Archiv für wissenschaftliche u. praktische Tierheilkunde. Berlin.
Ark.Bot.	Arkiv för botanik. Uppsala.
Aust.J.Exp.Biol.Med.Sci.	Australian Journal of Experimental Biology and Medical Science. Adelaide.

Ber.deuts.bot.Ges.	Bericht der Deutschen Botanischen Gesellschaft. Berlin.
Ber.Ld.-u.Forstw.Ausl.	Bericht über Land-und Forstwirtschaft im Ausland. Berlin.
Ber.naturw.Ver.Bielefeld.	Bericht des Naturwissenschaftlichen vereins, Bielefeld und Umgegend. Bielefeld.
Ber.Ohara.Inst.	*Bericht des Ohara Instituts für Landwirtschaftliche Forschungen. Kuraschiki.
Bidr.Finl.Nat.Folk.	Bidrag till kannedom om Finlands Natur och Folk, Utgifna af Finska Vetenskaps Societeten. Helsingfors.
Biederm.Zbl.	*Biedermann's Zentralblatt für Agrikultur-chemie und rationellen Landwirtschaftsbetrieb. Leipzig.
Bi-m.Bull.Ohio.Agric.Expt.Sta.	*Bi-monthly Bulletin of the Ohio Agricultural Experiment Station. Wooster.
Biol. Abst.	*Biological Abstracts. Menasha, Wisconsin.
Biol.Bull.Wood's Holl.	Biological Bulletin of the Marine Biological Laboratory, Wood's Holl, Mass. Wood's Holl.
Bio-Chem.J.	Bio-Chemical Journal. Liverpool.
Biol.Rev.	Biological Reviews and Biological Proceedings of the Cambridge Philosophical Society. London.
Biol.Zbl.	Biologisches Zentralblatt. Leipzig.
Boll.Bimens.Soc.Met.ital.	*Bollettino bimensuale della Società Meteorologica italiana. Torino.
Bol.Minist.Agric.B.Aires.	Boletín del Ministerio de Agricultura. Buenos Aires.
Bol.Minist.Agric.Rio de J.	Boletim do Ministerio da agricultura industria e commercio. Rio de Janeiro.
Boll.R.Staz.Pat.Veg.	*Bolletino della R.Stazione di Patologia Vegetale. Perugia.
Boll.Soc.ital.Biol.sperim.	Bollettino della Società italiana di Biologie sperimentale. Naples.
Bot. Arch.	Botanisches Archiv. Berlin.
Bot. Gaz.	Botanical Gazette, Chicago.
Bot. Jahrb.	Botanische Jahrbucher etc. Leipzig.
Bot.Mag.Tokyo.	Botanical Magazine. Tokyo.
Brit.Beet. Grower.	The British Beet Grower, London.

Brit. Birds.	British Birds, London.
Brit.J. Actinother.	British Journal of Actinotherapy. London.
Brit.J.Exp. Biol.	British Journal of Experimental Biology. Cambridge.
Brit.J.Exp.Path.	British Journal of Experimental Pathology. London.
Bull. agric. Congo belge.	Bulletin agricole du Congo belge.
Bull. agric. Paris.	Bulletin agricole. Paris.
Bull.Amer.Met.Soc.	+ Bulletin of the American Meteorological Society, Easton, Pa.
Bull.Appl.Bot.Gen.Pl.Breed.	Bulletin of Applied Botany, Genetics and Plant Breeding. Leningrad.
Bull.Arkans.Agric.Expt.Sta.	* Bulletin of the Arkansas Agricultural Experiment Station. Fayetteville.
Bull.Ass.Chim.Sucr.	Bulletin de l'Association des chimistes de sucrerie et de distillerie de France. Paris.
Bull.Comm.Met.Bouches-du-Rhône.	+ Bulletin annuel de la Commission de Météorologie du Departement des Bouches-du-Rhône. Marseille.
Bull.Conn.Agric.Expt.Sta.	* Bulletin Connecticut Agricultural Experiment Station. New Haven.
Bull.Cornell Agric.Expt. Sta.	* Bulletin Cornell University Agricultural Experiment Station. Ithaca.
Bull.Czechoslov.Acad.Agric.	Bulletin of the Czechoslovak Academy of Agriculture. Prague.
Bull.Delaware Bd.Agric.	Bulletin of the Delaware Board of Agriculture. Dover.
Bull.Dept.Agric.Gold Coast	* Bulletin of the Department of Agriculture, Gold Coast. Accra.
Bull.Direct.Agric.Tunis.	* Bulletin. Direction generale de l'agriculture, etc. Tunis.
Bull.Ent.Res.	* Bulletin of Entomological Research. London.
Bull.Florida Agric.Expt.Sta.	* Bulletin. Florida Agricultural Experiment Station. Gainesville.
Bull.Geol.Instn.Univ.Upsala.	Bulletin of the Geological Institution of the University of Upsala. Upsala.
Bull.Illinois Nat.Hist.Surv.	Bulletin of the Illinois State Natural History Survey. Urbana.
Bull.Inst.Agric.Eng.Oxford.	* Bulletin of the Institute of Agricultural Engineering. Oxford.

Bull.Maryland Agric.Expt.Sta.	* Bulletin of the Maryland Agricultural Experiment Station College Park.
Bull.Missouri Agric.Expt.Sta.	* Bulletin. Missouri Agricultural Experiment Station. Columbia.
Bull.Montana Agric.Expt.Sta.	* Bulletin of the Montana Agricultural Experiment Station. Bozeman.
Bull.New Jers.Agric.Expt.Stas.	* Bulletin of the New Jersey Agricultural Experiment Stations. New Brunswick.
Bull.Northumb.Agric.Expt.Sta.	* Bulletin. Northumberland Co. Agricultural Expt. Station. Cockle Park.
Bull.N.Y.Agric.Expt.Sta.	* Bulletin of the New York Agricultural Experiment Station. Geneva.
Bull.Obs.géophys.cent.Leningrad.	+Bulletin de l'Observatoire géophysique central de Léningrad.
Bull.Ohio Agric.Expt.Sta.	*Bulletin. Ohio Agricultural Experiment Station. Wooster.
Bull.Oregon Agric.Expt.Sta.	* Bulletin of the Oregon Agricultural Experiment Station. Corvallis.
Bull.Proefst.Medan.	Bulletin. Proefstation te Medan, Sumatra. Medan.
Bull.Soc.Enc.Ind.nat.Paris.	Bulletin de la Société d'encouragement pour l'Industrie National. Paris.
Bull.Soc.ent.Egypte.	Bulletin. Société entomologique d'Egypte. Le Caire.
Bull.Soc.Natur.Leningrad.	Bulletin of the Society of Naturalists. Leningrad.
Bull.Sultanic Agric.Soc.	Bulletin Sultanic Agricultural Society. Cairo.
Bull.Tech.Sci.Serv.Cairo.	* Bulletin. Technical and Scientific Service. Ministry of Agriculture. Cairo.
Bull.Tex.Agric.Expt.Sta.	* Bulletin Texas Agricultural Experiment Station. Austin.
Bull.Torrey Bot.Cl.	Bulletin of the Torrey Botanical Club. New York.
Bull.Univ.Coll.Transvaal.	Bulletin of the University College. Transvaal. Pretoria.
Bull.U.S.Dept.Agric.	Bulletin. United States Department of Agriculture. Washington.
Bull.Utah Agric.Expt.Sta.	* Bulletin. Utah Agricultural Experiment Station.
Bull.Vermont Agric.Expt.Sta.	* Bulletin of the Vermont Agricultural Experiment Station. Burlington.

Bull.Welsh Pl.Breed.Sta.	* Bulletin of the Welsh Plant Breeding Station. University College of Wales. Aberystwyth.
Bull.Wisc.Agric.Expt.Sta.	*Bulletin. Wisconsin Agricultural Experiment Station. Madison.
Bull.W.Virginia Agric. Expt.Sta.	* Bulletin of the West Virginia University Agricultural Experiment Station. Morgantown.
Bull.Wyom.Agric.Expt.Sta.	* Bulletin. Wyoming Agricultural Experiment Station. Laramie.
Calcutta Med.J.	Calcutta Medical Journal. Calcutta.
Calif. Citrograph.	California Citrograph. Los Angeles.
Chinese J.Physiol.	Chinese Journal of Physiology. Peking.
Circ.Minist.Agric.Argent.	Circular.Ministerio de Agricultura. Sección propaganda e informes. Buenos Aires.
Circ.U.S.Dept.Agric.	*Circular. United States Department of Agriculture. Washington.
Coltivatore.	Il Coltivatore. Casale Monferrato.
C.R.Acad.Agric.Fr.	Comptes Rendus des séances de l'Academie d'Agriculture de France. Paris.
C.R.Acad.Sci.Paris.	+Comptes Rendus hebdomadaire des séances de l'Academie des sciences. Paris.
C.R.Acad.Sci.U.R.S.S.	*Comptes Rendus des séances de l'Academie des sciences de l'U.R.S.S. Leningrad.
C.R.Ass.franç.Av.Sci.	Comptes Rendus de l'Association française pour l'Avancement des sciences. Paris.
C.R. Soc.Biol. Paris.	Comptes Rendus hebdomadaire des séances et mémoires de la Société de biologie. Paris.
Déf. Pl.	Défense des Plantes. Leningrad.
Deuts.Landw.Pr.	*Deutsche Landwirtschaftliche Presse. Berlin.
Deuts.met.Jahrb.Bremen.	*Deutsches meteorologisches Jahrbuch Freie Hanseostadt Bremen. Bremen.
Ecology.	Ecology. Brooklyn, N.Y.
Ent.Anz.	Entomologischer Anzeiger. Wien.
Expt.Sta.Rec.Wash.	* Experiment Station Record. Washington.
Flora.Treviso.	Flora. Treviso.
Flor.Exch.	Florists' Exchange, New York.
Florida Ent.	Florida Entomologist. Gainesville.

Fmrs' Bull.Wash	* Farmers' Bulletin. (U.S. Department of Agriculture) Washington.
For. Serv. Wash.	Forestry Service. U.S. Department of Agriculture, Washington.
Forstwiss.Zbl.	Forstwissenschaftliches Zentralblatt. Berlin.
Fortschr.Landw.	* Fortschritte der Landwirtschaft. Wien.
Gartenbauwiss.	Die Gartenbauwissenschaft. Berlin.
Geisenheim.Mitt.Obst.-u.Gtb.	Geisenheimer Mitteilungen über Obst.-u. Gartenbau. Wiesbaden.
Geogr.Ann.Stockh.	+ Geografiska Annaler. (Svenska Sällskapet for Antropologi och Geografi) Stockholm.
Geogr.J.	+ Geographical Journal including the proceedings of the R. Geographical Society. London.
Geogr.Rev.	+ Geographical Review. New York.
Georgine.	Georgine. Land-u. forstwirtschaftliche Zeitung. Königsberg.i.Pr.
Giorn.Acc.Med.Torino.	Giornale della R.Accademia di Medicina di Torino.
Grande Rev.agric.	La Grande Revue agricole. Paris.
Hannov.land-u.forstw.Ztg.	Hannoversche land.-u.forstwirtschaftliche Zeitung. Hannover.
Hereditas.	Hereditas, genetiskt arkiv. Lund.
Hilgardia.	* Hilgardia. University of California Publications. Berkeley.
Időjárás.	+ Az. Időjárás. Budapest.
Ill.landw. Ztg.	Illustrierte landwirtschaftliche Zeitung. Berlin.
Ind.J.Med.Res.	Indian Journal of Medical Research, Calcutta.
Indust.Engng.Chem.	Industrial and Engineering Chemistry. Easton, Pa.
IngenVetenskAkad.Medd. Stockh.	Ingeniörsvetenskapsakademiens meddelande. Stockholm.
Int.Cong.Ent.	International Congress of Entomology.
Int.Rev.Hydrobiol.	Internationale Revue der gesamten Hydrobiologie u. Hydrographie. Leipzig.
Int.Rev.Sci.Pract.Agric.	+*International Review of the Science and Practice of Agriculture. Rome.

Iowa.Agric.Expt.Sta.Leaf.	* Iowa Agricultural Experiment Station Leaflet. Ames.
Ital.Agric.	Italia Agricola. Piacenza.
J.Agric.prat.Paris.	* Journal d'agriculture pratique. Paris
J.Agric.Res.	* Journal of Agricultural Research. Washington.
J.Agric.Sci.	* Journal of Agricultural Science. Cambridge.
J.Agric.Soc.Japan.	Journal of the Agricultural Society of Japan. Tokyo.
Jahrb.wiss.Bot.	Jahrbuch für wissenschaftliche Botanik. Berlin.
Jahrb.ZentAnst.Met.Wien.	+ Jahrbuch der Zentralanstalt für Meteorologie und Geodynamic. Wien.
J.Amer.Soc.Agron.	* Journal of the American Society of Agronomy. Washington.
J.Amer.Vet.Med.Ass.	Journal of the American Veterinary Medical Association. Ithaca, N.Y.
J.Anat.Lond.	Journal of Anatomy (and Physiology). London.
J.Ass.Agric.Chem.Wash.	* Journal of the Association of Agricultural Chemists. Washington.
J.Biol.Chem.	Journal of Biological Chemistry. Baltimore.
J.Coll.Agric.Tôhoku.	* Journal of the College of Agriculture Tôhoku (Hokkaido) Imp. University. Sapporo, Japan.
J.Coll.Agric.Tokyo.	* Journal of the College of Agriculture, Imp. University of Tokyo.
J.Coun.Sci.Indust.Res.	* Journal of the Council for Scientific and Industrial Research. Melbourne.
J.Dairy Sci.	* Journal of Dairy Science, Baltimore.
J.Dept.Agric.S.Afr.	* Journal of the Department of Agriculture, Union of South Africa. Pretoria.
J.Dept.Agric.Vict.	+ * Journal of the Department of Agriculture of Victoria. Australia.
J.Dept.Lands Agric.Dublin.	* Journal of the Department of Lands and Agriculture. Dublin.
J. Ecology.	* Journal of Ecology. London.
J. Econ.Ent.	* Journal of Economic Entomology. Geneva, N.Y.

J.Elisha Mitchell Sci.Soc.	Journal of the Elisha Mitchell Scientific Society. Chapel Hill, N.C.
J.Expt.Agron. S.E.Russia.	Journal of Experimental Agronomy S.E. Russia. Saratov.
J.Exp.Zool.	Journal of Experimental Zoology. Philadelphia.
J.Fac.Agric.Hokkaido.	* Journal of the Faculty of Agriculture Hokkaido Imperial University. Sapporo, Japan.
J.For.	Journal of Forestry. Washington.
J.Ind.Bot.Soc.	Journal of the Indian Botanical Society. Madras.
J.Inst.Brew.Lond.	* Journal of the Institute of Brewing. London.
J.landw.Wiss.Moscow.	Journal für Landwirtschaftliche Wissenschaft. Moskau.
J.Met.Soc.Japan.	+ Journal of the Meteorological Society of Japan, Tokyo.
J.Minist.Agric.	+*Journal of the Ministry of Agriculture and Fisheries. London.
J.Morph.	Journal of Morphology. Boston.
J.N.Y.Ent.Soc.	Journal of the New York Entomological Society. New York.
J.Parasit.	Journal of Parasitology, Urbana, Ill.
J.Pomology Hort.Sci.	* Journal of Pomology and Horticultural Science. Maidstone.
J.R.Agric.Soc.	Journal of the R.Agricultural Society. London.
J.R.Hort.Soc.	* Journal of the R. Horticultural Society. London.
J.R.Soc.Arts.	+ * Journal of the Royal Society of Arts. London.
J.Sci.Agric.Soc.	Journal of the Scientific Agricultural Society. Tokyo.
J. S.E.Agric.Coll.Wye.	* Journal of the South-Eastern Agricultural College, Wye, Kent.
J.Surv.Instn.Lond.	* Journal of the Surveyors' Institution. London.
J.Text.Inst.Manchr.	Journal of the Textile Institute. Manchester.
Kew Bull.	* Bulletin of Miscellaneous Information (Royal Botanic Gardens, Kew). London.
K.LandtbrAkad.Handl.Stockh.	Kongliga Landtbruksakademiens Handlingar och Tidskrift. Stockholm.

Kranke Pflanze.	Die Kranke Pflanze. Dresden.
Kühn-Archiv.	* Kühn-Archiv.Arbeiten aus d.Landwirtschaftliche Institut d.Univ.Halle. Berlin.
Kulturtechniker.	Kulturtechniker. Breslau.
Lancet. Lond.	The Lancet, London.
Landbouwk.Tijdschr.Groningen.	* Landbouwkundig tijdschrift.Groningen.
Landw.	Die Landwirtschaft.
Landw.Hefte.	Landwirtschaftliche Hefte. Berlin.
Landw.Jahrb.	* Landwirtschaftliche Jahrbücher. Berlin.
Landw.Jahrb.Schweiz.	* Landwirtschaftliche Jahrbuch der Schweiz. Berne.
Landw.Wschr.Sachsen Anhalt.	Landwirtschaftliche Wochenschrift für die Provinzen Sachsen und Anhalt. Halle a S.
Landw.Ztg.Bolzano.	Landwirtschaftliche Zeitung. Bolzano.
Lund.	Lund. Lund.
Mag.Seed Sel.Direct.Sug.Trust	Magazine of the Seed Selection Direction of the Sugar Trust. Hieff, Ukraine.
Mater.Mycol.Phytopath.	Materials for Mycology and Phytopathology. Leningrad.
Mat.Etude Calamites.	+ Matériaux pour l'Etude des Calamités. Genève.
Math-Nat.Sci.Classes. Norske VidenskAkad.	Mathematico-Natural Science Classes. Norske Videnskapsakademi. Oslo.
Medd.Cent.Anst.Försöksv.Jordbr.	Meddelanden från Centralanstalten för Försöksväsendet på Jordbruksomradet. Stockholm.
Medd.Norske Skogsförsöksv.	Meddelelser fra det norske skogsförsöksvaesen. Oslo.
Meded. LandbHoogesch. Wageningen.	* Mededeelingen van de Landbouwhoogeschool. Wageningen.
Meld.Norg.Landbrøisk.	* Meldinger fra Norges Landbrukshøiskole. Oslo.
Mem.Cornell Agric.Expt.Sta.	* Memoirs. Cornell University Agricultural Experiment Station. Ithaca. N.Y.
Mem.Dept.Agric.Ind. (Add. Series).	* Memoirs of the Department of Agriculture in India. (Various Series). Pusa.
Mem.Hort.Soc.N.Y.	Memoirs of the Horticultural Society. New York.
Mem.Ind.Met.Dept.	+ Memoirs of the Indian Meteorological Department. Calcutta.

Mem. Inst.agron.Léningr.	Mémoires de l'Institut agronomique à Leningrade.
Mem.Manchr.Lit.Phil.Soc.	+ Memoirs and Proceedings of the Manchester Literary and Philosophical Society. Manchester.
Met.Mag.	+ Meteorological Magazine. London.
Mét.Paris.	+ Météorologie. Paris.
Met.prat.Montecassino.	+ Meteorologia practica. Montecassino.
Met.Z.	+ Meteorologische Zeitschrift. Braunschweig.
Milchw.Forsch.	* Milchwirtschaftliche Forschungen. Berlin.
Misc.Pub.Alfred Obs.	+ Miscellaneous Publications of the R.Alfred Observatory. Mauritius.
Misc.Pub.Minist.Agric.Fish. London.	* Miscellaneous Publications of the Ministry of Agriculture and Fisheries. London.
Mitt.biol.RchsAnst.Berl.	* Mitteilungen ausder Biologischen Reichsanstalt für Land-u. Forstwirtschaft. Berlin.
Mitt.deuts.Landw.Ges.	* Mitteilungen der Deutschen Landwirtschaft-Gesellschaft. Berlin.
Mitt.Met.ZentAnst.Finn. Staates.	+ Mitteilungen vom Meteorologisches Zentralanstalt der Finnland Staates. Helsingfors.
Mon.Weath.Rev.Wash.	+*Monthly Weather Review. (U.S. Department of Agriculture).Washington.
Morbi Plantarum.	Morbi Plantarum. Leningrad.
Mycologia.	Mycologia. Lancaster, Pa.
NachrBl.deuts.PflSchDienst.	Nachrichtenblatt für den Deutschen Pflanzenschutzdienst Biolog. Reichsanstalt f. Land-u. Forstwirtschaft. Berlin.
Nature, Lond.	+*Nature, London.
Naturen.	Naturen. Bergen.
Nature, Paris.	+ Nature. Paris.
Naturwissenschaften.	+ Naturwissenschaften. Berlin.
New Phytol.	* New Phytologist. Cambridge.
Nord.JordbrForskn.	Nordisk Jordbruksforskning. Oslo.
Nor.West Nat.	North-Western Naturalist, Arbroath.
Nuovi.Ann.Minist.Agric. Roma.	* Nuovi Annali del Ministerio per l'Agricoltura. Roma.
Nuovo Jiorn.bot.ital.	Nuovo Jiornale botanico italiano. Firenze.
N.Z.J.Agric.	New Zealand Journal of Agriculture. Wellington.

N.Z.J.Sci.Tech.	* New Zealand Journal of Science and Technology. Wellington.
Obst.u.Gem.Praha.	Ovoce (Ovocie) a Zelenina. Praha.
Off.Pub.Iowa Coll.Agric.	Official Publication. Iowa State College of Agriculture and Mechanic Arts. Ames.
Pamph.For.Dept.Kenya.	Pamphlet. Forest Department, Kenya. Nairobi.
Parnassos.	Parnassos. New York.
Pastoral Rev.	* Pastoral Review. Melbourne.
Petermann's Mitt.	+ Petermann's A. Mitteilungen aus. J.Perthes' Geographischer Anstalt. Gotha.
Pflanzenbau.	Pflanzenbau. Berlin.
Pflügers Arch.	Pflüger's Archiv für die gesamte Physiologie d.Menschen u.d. Tiere. Bonn.
Philipp.Agric.	Philippine Agriculturist. Los Banos.
Philipp. J.Sci,	* Philippine Journal of Science. Manila.
Philos. Trans.	Philosophical Transactions of the Royal Society. London.
Pl. Physiol.	Plant Physiology. Lancaster, Pa.
Phys.Rev.	+ Physical Review. Cornell University. Ithaca N.Y. Lancaster Pa.
Phytopathology.	* Phytopathology. American Phytopathological Society. Ithaca.
Pop.Bull.Wash.Agric.Expt.Sta.	Popular Bulletin of the Washington Agricultural Experiment Station. Pullman.
Prakt.Bl.Pflanzenb.	Praktische Blätter für Pflanzenbau u. Pflanzenschutz.Stuttgart.
Proc.Amer.Soc.Hort.Sci.	Proceedings, American Society for Horticultural Science. College Park, Md.
Proc.Ent.Soc.Wash.	Proceedings of the Entomological Society of Washington.
Proc.Imp.Acad.Tokyo.	+ Proceedings of the Imperial Academy. Tokyo.
Proc.Int.Cong.Soil.Sci.	Proceedings and Papers of the First International Congress of Soil Science. Concord, N.H.
Proc.Nat.Acad.Sci.Wash.	+ Proceedings of the National Academy of Sciences. Washington.
Proc.N.S.Inst.Sci.	Proceedings and Transactions of the Nova Scotian Institute of Science. Halifax, N.S.

Proc.Okla.Acad.Sci.		Proceedings of the Oklahoma Academy of Science. Norman.
Proc.Penn.Acad.Sci.		Proceedings of the Pennsylvania Academy of Science. Philadelphia.
Proc.Pot.Ass.Amer.		Proceedings of the Potato Association of America. Washington.
Proc.Roy.Soc.	+	Proceedings of the Royal Society, London.
Proc.Roy.Soc.Can.		Proceedings and Transactions of the Royal Society of Canada. Ottawa.
Prog.agric.vitic.		Progrès agricole et viticole, Paris. (Montpellier).
Poult.Sci.	*	Poultry Science. Ithaca. N.Y.
Pub.Carnegie Instn.		Publications. Carnegie Institution of Washington. Washington.
Pubb.Min.Lavori, Roma.		Pubblicazioni del Ministero dei Lavori, Roma.
Pub.Hlth.Bull.Wash.		Public Health Bulletin. Washington.
Pub.Hlth Rep.Wash.		Public Health Reports. Washington.
Psyche, Camb.Mass.		Psyche, a journal of Entomology. Cambridge, Mass.
Qd.Agric.J.	*	Queensland Agricultural Journal. Brisbane.
Quart.Bull.Mich.Agric.Expt. Sta.	*	Quarterly Bulletin. Michigan Agricultural Experiment Station. East Lansing.
Quart.J.Ind.Tea Ass.		Quarterly Journal of the Indian Tea Association. Calcutta.
Quart.J.Micr.Sci.		Quarterly Journal of Microscopical Science. London.
Quart.J.R.Met.Soc.	+*	Quarterly Journal of the Royal Meteorological Society. London.
Rec.Trav.bot.néerland.		Recueil des travaux botanique néerlandais. Société botanique néerlandais. Nimègne.
Rend.Acc.Lincei.		Atti della R.Accadomia dei Lincei. Rendiconti. Cl.di.sci.fis.mat. e nat. Roma.
Rep.Agric.Met.Conf.Lond.	+*	Report of Agricultural Meteorological Conference Ministry of Agriculture and Fisheries. London.
Rep.Bot.(Soc.) Exch.Cl.		Report of the Botanical (Society and) Exchange Club, Manchester.
Rep.Dept.Agric.Can.	*	Report, Department of Agriculture, Canada. (a) Botany, (b) Chemistry, (c) Dairy and Cold Storage, (d) Entomology, (e) Health of Animals, (f) Seed. Ottawa.

Rep.Dept.Agric.Ceylon.	* Annual Report. Department of Agriculture. Ceylon.
Rep.Exp.Res.Sta. Cheshunt.	* Annual Report. Experimental and Research Station. Nursery and Market Garden Industrios Development Society Ltd. Cheshunt.
Rep.Inst.Exp.Tob.Growing.	Report of the Institute of Experimental Tobacco Growing. Krasnodar.
Rev.Inst.Rech.agron.Bulg.	Revue des Institutes de Recherches Agronomiques en Bulgarie. Sofia.
Rep.Iowa Apiarist.	* Report of the Iowa State Apiarist.
Rep.Rothamst.Exp.Sta.	** Annual Report of the Rothamsted Experimental Station. London.
Rep.Smithson. Instn.	+ Annual Report of the Board of Regents of the Smithsonion Institution. Washington.
Rep.U.S. Dept.Agric.	* Annual Report. United States Department of Agriculture. Washington.
Rep.Vet.Res.S.Afr.	Report on Veterinary Educational Research, Department of Agriculture, Union of South Africa. Cape Town.
Rep.Virginia Agric.Expt.Sta.	* Report of the Virginia Agricultural Experiment Station. Blacksburg.
Rev.Agriculteurs Fr.	Revue d'Agriculteurs de France. Paris.
Rev.Appl.Ent.	* Review of Applied Entomology. London, A.Agricultural. B.Medical and Veterinary.
Rev. Appl.Mycol.	* Review of Applied Mycology. London.
Rev.Bot.appl.	Revue de botanique appliquée et d'agronomie coloniale. Paris.
Rev.gén.Bot.	Revue générale de Botanique. Paris.
Rev.Zootech.	Revue de Zootechnic. Paris.
Rhod.Agric.J.	*Rhodesia Agricultural Journal. Salisbury.
Riv.Biol.	Rivista di Biologia. Roma.
S.Afr.J.Sci.	South African Journal of Science. Cape Town.
Sci.Agric.	*Scientific Agriculture. Ottawa.
Sci.Amer.	Scientific American. New York.
Science	*Science. Lancaster, Pa.
Sci.Mon.N.Y.	Scientific Monthly. New York.

Sci.Proc.R.Dublin Soc.	** Scientific Proceedings of the Royal Dublin Society. Dublin.
Sci.Rep.Agric.Res.Inst. Pusa.	* Scientific Reports of the Agricultural Research Institute, Pusa. Calcutta.
Scot.Geogr.Mag.	+ Scottish Geographical Magazine.
Scot.J.Agric.	* Scottish Journal of Agriculture. Edinburgh.
Seas.Hints Dom.Expt.Fms.	* Seasonal Hints, Dominion Experiment Farms. Ottawa.
SitzBer.Ges.naturf.Fr. Berl.	Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin.
Skogshögskolans Festkr.	Skogshögskolans Festskrift. Stockholm.
Soil Sci.	* Soil Science. New Brunswick, N.J.
Sp.Rep.Food Invest.Bd.Lond.	* Special Report. Food Investigation Board. Department of Scientific and Industrial Research. London.
Tech.Bull.Minn.Agric.Expt. Sta.	* Technical Bulletin. Minnesota Agricultural Experiment Station. St. Paul.
Tech.Bull.U.S. Dept.Agric.	* Technical Bulletin. United States Department of Agriculture. Washington.
Tech.Landw.	* Technik in der Landwirtschaft. Berlin.
Tijdschr.Plantenziekt.	Tijdschrift over plantenziekten. Wageningen.
Trans.Brit.Mycol.Soc.	* Transactions of the British Mycological Society. Worcester.
Trans.Far-East.Ass.Trop.Med.	Transactions of the Far-Eastern Association of Tropical Medicine. Hong Kong.
Trans.Highl.Agric.Soc.Scot.	* Transactions of the Highland and Agricultural Society of Scotland. Edinburgh.
Trans.Illinois Acad.Sci.	Transactions of the Illinois State Academy of Science. Springfield.
Trans.Illum.Eng.Soc.N.Y.	Transactions of the Illuminating Engineering Society. New York.
Trans.Lab.Exp.Biol.Zoop. Moscow.	Transactions of the Laboratory of Experimental Biology at the Zoopark Moscow.
Trans.Tomsk.Univ.	Transactions of the Tomsk State University. Tomsk.
Trop.Agric.Trinidad.	* Tropical Agriculture. Trinidad.
Trop.Vet.Bull.	Tropical Veterinary Bulletin. London.
Tycos.	+ Tycos. Rochester.

Ugeskr.Landm.	* Ugeskrift for Landmaend. Kjøbenhaven.
Univ.Okla.Bull.	University of Oklahoma Bulletin. Norman.
Verh.naturf.Ges.Basel.	Verhandlungen der Naturforschenden Gesellschaft in Basel.
Vie agric.rur.	La Vie agricole et rurale. Paris.
Weinb. u. Kellerw.	Weinbau und Kellerwirtschaft. Berlin.
Wein u. Rebe.	Wein und Rebe. Mainz.
Wheat Grain Rev.	Wheat and Grain Review. Melbourne.
Wheat Stud.	* Wheat Studies of the Food Research Institute, Stanford University, California.
Wien.landw.Ztg.	Wiener Landwirtschaftliche Zeitung. Wien.
Wiss.Arch.Landw.A.	Wissenschaftliches Archiv für Landwirtschaft. A. Pflanzenbau. Berlin.
Yale For.Sch.Bull.	Yale Forest School Bulletin. New Haven.
Yearb. Carnegie Instn.	Year Book of the Carnegie Institution of Washington.
Yearb.Essex Co. Fmrs' Un.	* Essex County Farmers' Union Year Book. Chelmsford.
Yearb.U.S.Dept.Agric.	* Year Book of the United States Department of Agriculture. Washington.
Z.angew.Bot.Pflanzenz.	Zeitschrift für angewandte Botanik und Pflanzenzüchtung. Leningrad.
Z. angew.Ent.	Zeitschrift für angewandte Entomologie, Berlin.
Z.angew.Met.	+ Zeitschrift für angewandte Meteorologie. Berlin.
Zbl.Bakt.	Zentralblatt für Bakteriologie, Parasitenkunde u. Infektionskrankheiten. Jena.
Z.Ges.Erdk.Berl.	+ Zeitschrift der Gesellschaft für Erdkunde zu Berlin.
Z.indukt.Abstamm-u. Vererblehre.	Zeitschrift für induktive Abstammungs-u. Vererbungslehre. Berlin.
Z.Morphol.Oekol.Tiere.	Zeitschrift für Morphologie und Oekologie Tierre. Berlin.
Z.Pflanzenz.	* Zeitschrift für Pflanzenzüchtung. Berlin.

Z.Pflernähr.Dung.u. Boden.	* Zeitschrift für Pflanzenernährung, Düngung u. Bodenkunde. Berlin.
Z.Tierzücht. u.ZüchtBiol.	Zeitschrift für Tierzüchtung und Züchtungsbiologie. Berlin.
Z.vergl.Physiol.	Zeitschrift für vergleichende Physiologie.
Z.wiss.Biol.	Zeitschrift für wissenschaftliche Biologie. (Abt.C.Z.Vergl.Physiol) Berlin.
Z.wiss.InsektBiol.	Zeitschrift für wissenschaftliche Insektbiologie Schöneberg - Berlin.
Z.Zuckerind.Böhm.	Zeitschrift für Zuckerindustrie in Böhmen (der Čeckoslavakischen Republik.) Prag.